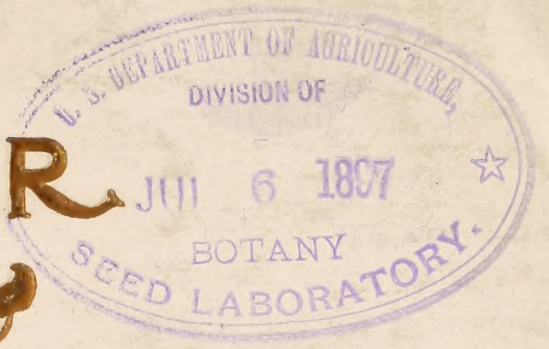


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GRIFFITH & TURNER
COMPANY
BALTIMORE.



1897



FARM
AND GARDEN
SUPPLIES

Griffith & Turner Co.

205, 207, 209 N. Paca St.

Branch House, 116, 118 Light St.

BALTIMORE, MD.

WHOLESALE PRICES TO MARKET

GARDENERS—Market Gardeners and all other large purchasers of Seeds should send for our Market Gardeners' List, which gives our Special Prices, and to which they are entitled, provided their purchases warrant it.

FILLING ORDERS—Every order is filled and forwarded as promptly as possible, but if not duly received we will, if notified, make every effort to trace it without delay.

OUR 1897 CATALOGUE

—OF—

Farm and Garden Supplies

—INCLUDING—

★SEEDS, BULBS, PLANTS★

FARM IMPLEMENTS, MACHINERY, FERTILIZERS, ETC.

WE DELIVER FREE

TO ANY POST OFFICE IN THE UNITED STATES.

All Vegetable and Flower Seeds,

by the packet ounce or quarter pound. On quantities over $\frac{1}{4}$ lb. the purchaser pays the postage at the rate of 8 cents per pound. On Beans, Peas and Corn 8 cents per pint or 15 cents per quart should be added to the Catalogue price to pay the postage.

ORDERS from unknown Correspondents must be accompanied with the cash.

We do not sell the cheapest seeds but make lowest prices consistent with quality.

TO OUR PATRONS

It has been our aim to make this catalogue the most complete that we have ever issued. By careful examination of the following pages it will be found that quite a number of articles are offered at even less than the extremely low prices of 1896; this has been made possible by the fact that we have been in position to make large contracts for goods, the producers of which have not realized actual cost in consequence of the general condition of business. From present indications we look for better times for the farmer, which also means prosperity for the merchant and manufacturer, since the success of each depends on the other. The fact that our business continues to grow during such unfavorable times is an evidence that our customers are satisfied with the methods employed and that the goods are as represented. We can make it pay you to buy everything that you use in the garden and on the farm from us.

We want your trade, be it large or small, and are confident that we can serve you in a manner that will be mutually satisfactory.

PACKING AND SHIPPING.

We make no charge for boxes or packing of retail orders, and deliver all goods to any railroad or steamboat free of charge. We charge for cotton bags as follows:—peck and half bushel 10 cents each, 1 bushel 15 cents each, 2 bushels 20 cents each.

HOW TO REMIT.

Remittances should be made by draft, Express Money Order, P. O. Money Order, or Registered Letter.

ON EVERY ORDER

Be sure to sign your name and give your address plainly, as we frequently receive orders lacking either or both; also give full shipping instructions.

NOTICE.

The greatest care is taken to supply every article true to name and of the very best quality; at the same time it is mutually understood that we do not warrant our seeds, and that we are not in any respect responsible for any loss or damage arising from any failure thereof.

JOHN M. GRIFFITH, President.

M. S. GRIFFITH, Vice President.

JOHN L. TURNER, Treasurer.

GEORGE W. HOBBS, Secretary.

Griffith & Turner Co.

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THYMO-CRESOL, known also as "**THE COLD WATER DIP**," is a very highly concentrated fluid preparation, non-poisonous and non corrosive, which mixes instantly and thoroughly with water of any temperature, forming a milky liquid, which, for cheapness, convenience, safety and efficiency, is unrivalled as a sheep-dip, cattle-wash, insecticide, disinfectant, &c. One or two applications in a year to sheep, not only keep them in health, but also greatly increase the growth and improve the quality of the fleece. One gallon can be diluted with from 25 to 150 gallons of water, according to circumstances, making cost of Dip from 1 to 4 cents per gallon. Samples by mail (including postage), 10, 20 & 50 cts.

4 Oz. Bottle, 25 cts. 8 Oz. Bottle, 50 cts. Qt. Can, 75 cts. ½ Gal. Can, \$1.25. 1 Gal. Can, \$2.00.

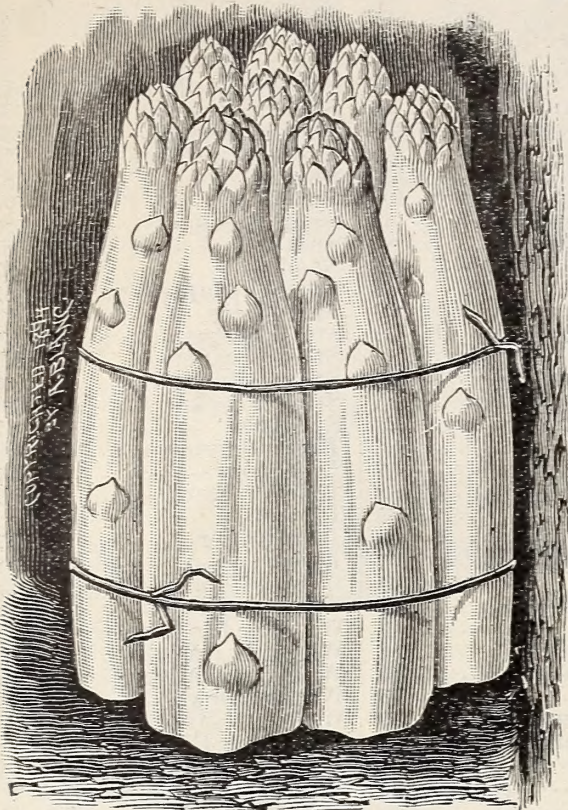
GRAFTING WAX. 10 cents ¼ lb. 35 cents per lb.

GRIFFITH, TURNER & Co., Sept. 3d, 1896.
*Gents:—*The seeds I have sold for you have given better results than any seeds sold here
 G. O. HUTCHINSON, VIRGINIA.

ERRATA.—Notice on Page 58, Floating Glass Thermometers should be 25 cents.

MAMMOTH WHITE ASPARAGUS.

A very Valuable and entirely Distinct Variety of this highly esteemed Vegetable.



It produces shoots which are white and remain so as long as fit for use, and from 80 to 90 per cent. of the plants come true from seed. This grand result has not come by chance, but is the legitimate outcome of years of patient work and careful selection by the originator.

In addition to the marvelous advantage of its white color, the Columbian Mammoth White Asparagus is even more robust and vigorous in habit and throws larger shoots and fully as many of them as the Conover's Colossal. When we add to these the immense advantage of its needing no earthing up in order to furnish the White shoots so much sought after, we think it evident that it is superior to any sort now in cultivation, and that no Asparagus grower can afford to plant seed of any other kind.

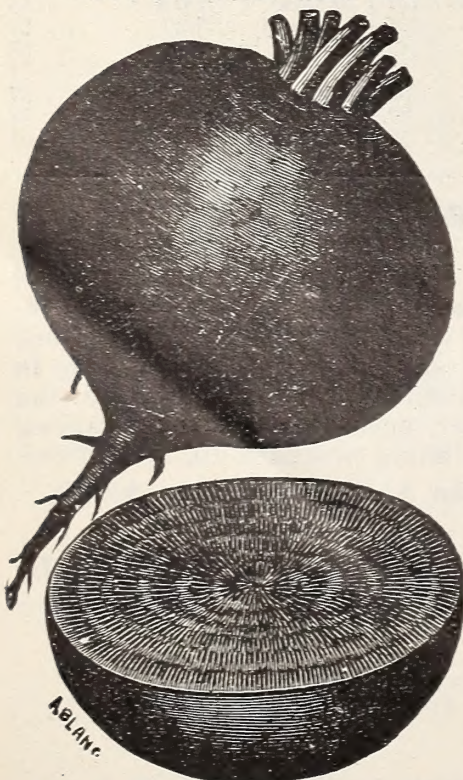
Market gardeners, growers for canners and amateurs should give this great acquisition a thorough trial

Packet, 5 cts. Oz. 10 cts. ¼ lb. 25 cts. Lb. 75 cts., postpaid.

**BURPEE'S BUSH LIMA BEANS.**

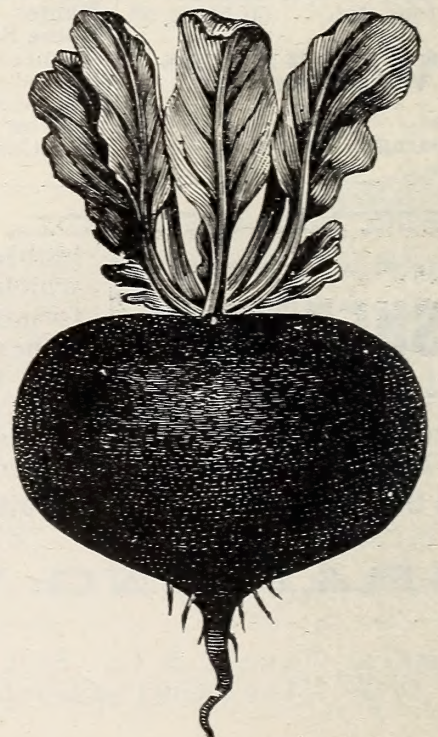
The grower says: The bushes grow eighteen to twenty inches high, stout growth and always erect, yet *branching so vigorously* that each plant develops into a magnificent circular bush, *from two feet to three feet in diameter*. The bush character is thoroughly established, not one plant in a thousand showing any disposition "to run." It is an *immense yielder*, each bush bearing from 50 to 200 of the handsome large pods, well filled with very large beans, which are *identical in size and luscious flavor to the well-known large pole Limas*. By the introduction of this most valuable novelty, the largest and best Lima Beans can now be raised in quantity at small cost, without the expense and labor attached to the use of poles.

½ pt. 10 cts. Pt. 15 cts. Qt. 25 cts. By mail, 15 cts. per qt. extra. Peck, \$1.75. Bushel, \$5.50.

CROSBY'S IMPROVED EGYPTIAN BEET.

A very superior strain of the well-known Egyptian, carefully selected for years by Mr. Josiah Crosby, a noted Eastern market gardener, whose aim was to secure a perfect forcing variety. The results obtained were handsome form, good size, few small tops, very small tap root, fine quality, deep blood color, and, above all, quick, rapid growth. The shape is very desirable, as shown in the accompanying photograph, being not quite so flat as the ordinary Egyptian, nor so round as the Eclipse. Takes on its turnip shape and looks well even in the early stages of its growth, on which account it is preferred for forcing to Globe and Half Long varieties, which require longer time to grow to presentable market shape. This is a decided advantage to those who force for real early market, and especially for a market where beets are sold in bunches. Once used, it is preferred to Egyptian or Eclipse for forcing in frames or for first sowing outside. It does not become woody and tasteless, like the old Egyptian, when allowed to stand a little too long, and being a rapid grower, it may be sown outside as late as July. No market or private grower who values earliness should fail to give the Crosby's Egyptian a trial.

Packet, 5 cts. Oz. 10 cts. ¼ lb. 15 cts. Lb. 40 cts.

IMPROVED EARLY MARKET BEET.

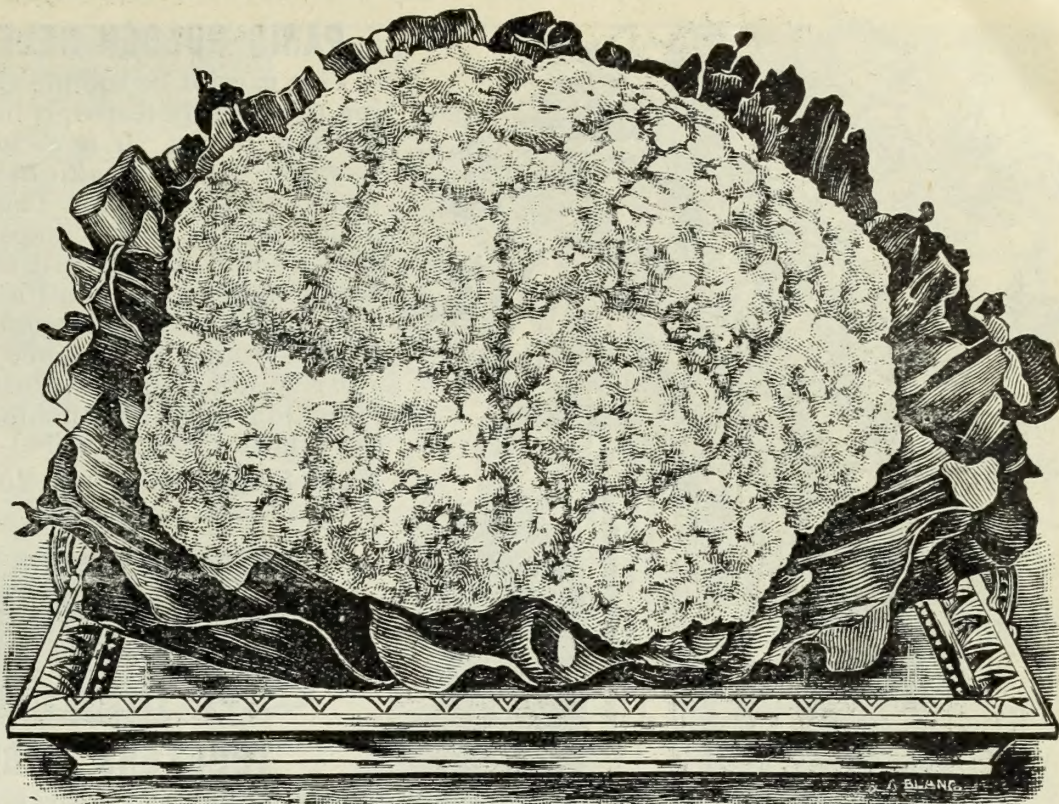
This is one of the earliest and best varieties of Beet we have ever sold. Specially suited for the market garden trade. **Packet, 5 cts. Oz. 10 cts. ¼ lb. 15 cts. Lb. 40 cts.**

GRIFFITH & TURNER CO.'S

Giltedge Snowball Cauliflower.

Our Giltedge Snowball Cauliflower is, without exception, one of the finest sorts now in cultivation. It is very early; nearly every plant will, under proper cultivation, form a perfect snow white head, and its close growing, compact habit enables the grower to plant one-third more on the same space of ground than other varieties. In fact it is, and deserves to be, the standard with the market gardener and amateur.

**Pkts. 25 & 50 cts. $\frac{1}{4}$ oz.
75 cts. Oz. \$2.00.**



Select Early Jersey Wakefield Cabbage.

The very best early Cabbage, and grown more extensively by market gardeners than any other variety. It is early, the heads are pyramidal in shape, very large and solid, and having but few outside leaves, the plants can be set close together. We secured our Seed from a grower of the best Wakefield Cabbage in the country, and it is giving good results wherever it is used; so much so that our sales of this sort the past season were more than double that of last season. The above engraving represents a photograph taken in the field where our seed was grown, showing the correct type of the true Jersey Wakefield Cabbage.

Pkts. 5 and 10 cts. Oz. 15 cts. $\frac{1}{4}$ lb. 40 cts. Lb. \$1.25.

Big Charleston Wakefield.

This is now a very popular market Cabbage. It is five to six days later than Early Jersey Wakefield. The heads are fully one-half larger and quite solid. It is very compact in growth and can be easily planted in rows two feet apart and twenty inches in the rows. One great advantage is, it does not burst open when ripe, like many other early sorts, and consequently can be left standing on the ground a long while without injury, until a favorable opportunity for cutting. No market or private gardener desiring a Cabbage of this kind should fail to plant this valuable sort.

Pkts. 5 and 10 cts. Oz. 15 cts. $\frac{1}{4}$ lb. 40 cts. Lb. \$1.50.

SPECIAL PRICES TO GARDENERS AND FARMERS, IN LARGE QUANTITIES.

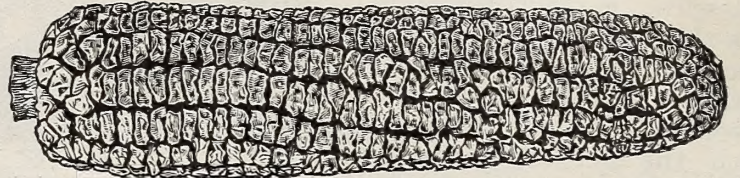


PARIS GOLDEN SELF-BLANCHING CELERY.

This cannot be too highly recommended, as after being thoroughly tested, it has fulfilled all that has been claimed for it. *It is decidedly the very best and most profitable Celery in cultivation*; it is very early and entirely self-blanching. The beautiful appearance of the plant, its close habit, compact growth, straight, vigorous stalks, solid, crisp, brittle ribs, fine quality and delicious flavor commend it to all lovers of Celery. No variety can surpass, if indeed equal, the *Paris Golden Self-blanching* in striking appearance and delicious flavor.

Mr. William Jasper, Putty Hill, Md., says: "I had your Golden Self-Blanching Celery last year, and I had the prettiest Celery in Bel-Air Market."

Pkts. 5 and 10 cts., oz. 25 cts., $\frac{1}{2}$ lb. 75 cts. 1b. \$2.50



TRUCKERS' EARLY SUGAR CORN.

This is the most desirable variety of Sugar Corn for Truckers and Gardeners to plant early. As its many excellent qualities are becoming generally known, it has come to be one of the standard sorts. It is ten days earlier than Evergreen, very productive, growing two to four ears to the stalk. The ears set low, are large and well filled, the grain long and narrow, similar to Evergreen, but smaller. It is one of the most productive varieties in cultivation.

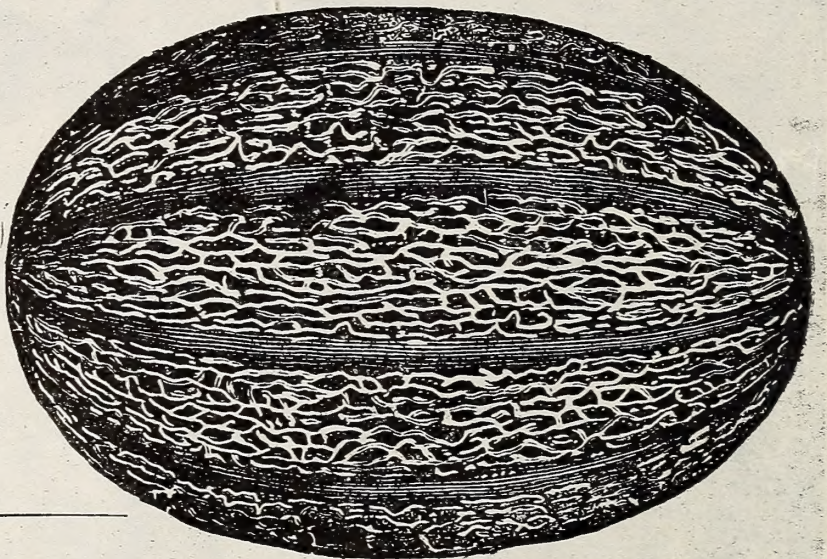
Qt. 20 cts. Peck 75 cts. Bushel, \$2.50.

BALTIMORE NUTMEG CANTELOUPE.

Well known and very popular with Market Gardeners around Baltimore. It well deserves the praise it has received. Our seed is from select stock.

This favorite and delicious Canteloupe, introduced some years ago, is now a leading sort all over the country, and catalogued by all the principal Seedsmen. It is early, of good size and shape, of rich flavor, and as a shipper has no superior. In passing through the field where our seed was growing to inspect the crops, we were surprised at the uniformity in the shape and size of the fruit.

Pkts. 5 and 10 cts., $\frac{1}{2}$ lb. 15 cts., 1b. 40 cts.



ANNE ARUNDEL CANTELOUPE.

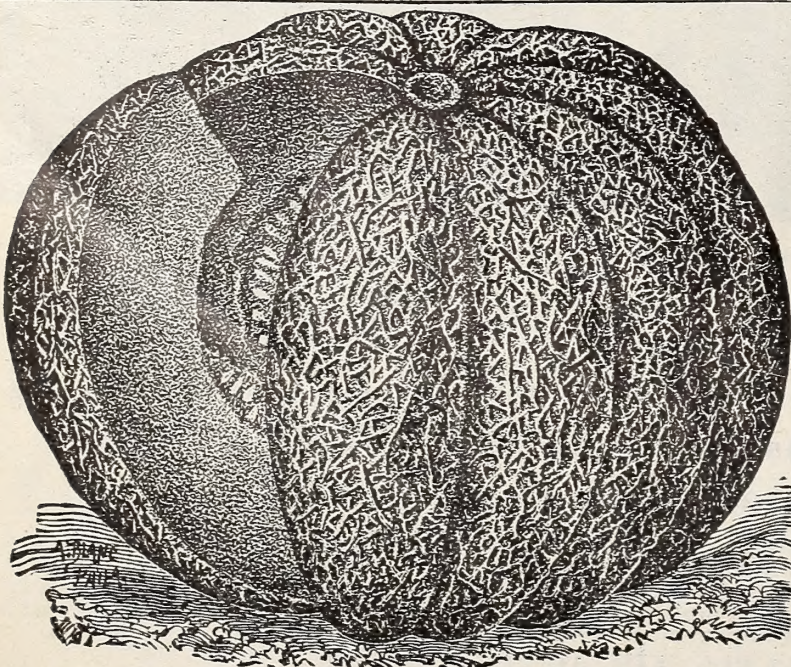
This handsome melon has for several years been a special favorite with a number of the leading growers of Anne Arundel County, Md. Knowing its value we secured the stock and introduced it three years ago. It has met every promise we made for it upon its introduction. One grower says: "It is in all respects one of the best of melons." Another says:

Portsmouth, Va., Oct. 28, '93.

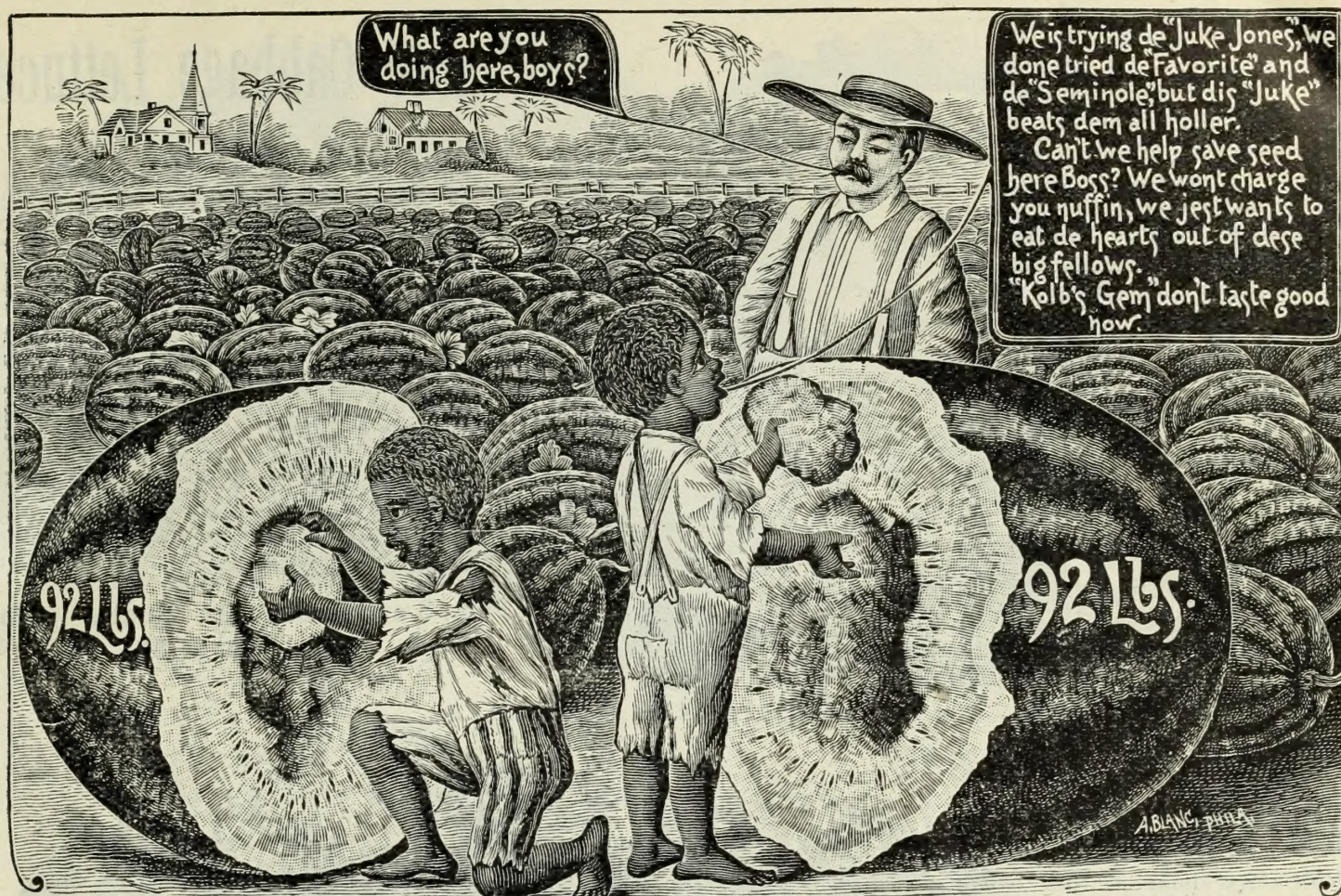
Dear Sirs:—The Anne Arundel Canteloupe was perfectly satisfactory, just what it is claimed to be—it proved to be early, of good size, and gave me a large yield."

It is very large, nearly round, deeply netted and of good flavor. A wagon load of them at once attracts the buyer's attention, and when piled up on a market stall they are irresistible. No large grower's stock is complete without this superb melon.

**Pkt. 5 and 10 cts., $\frac{1}{2}$ lb. 15 cts.,
1b. 45 cts.**



SPECIAL PRICES TO GARDENERS AND FARMERS, IN LARGE QUANTITIES.



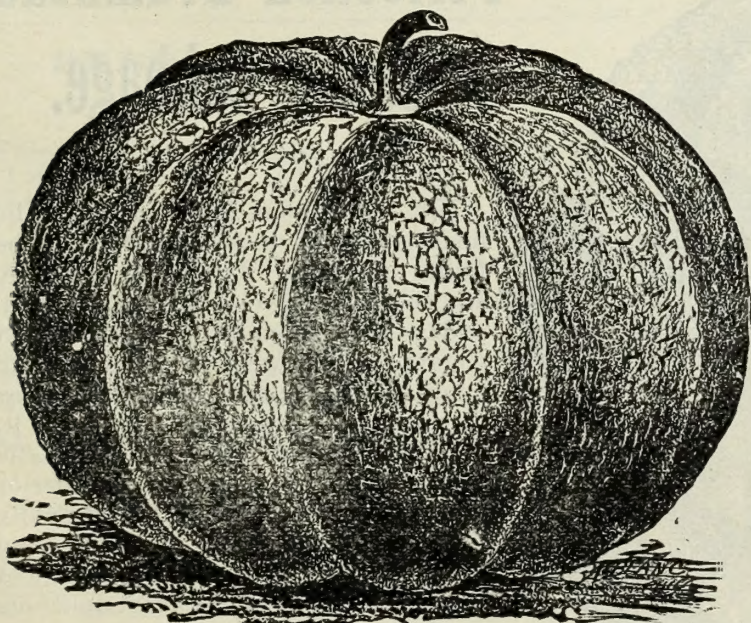
DUKE JONES WATERMELON.

In shape the "Duke Jones" resembles very closely the Kolb Gem. The rind is darker green in color, with indistinct irregular stripes of dark and light green alternating; the general appearance is that it is a dark green melon. It averages very large in size, comparatively no small melons, is very productive, it is also very early in maturing, ripe melons being plucked from the vine just 67 days from date of planting. Its chief claim for popularity is its delicious flavor. The flesh is crisp and very sweet, firm but not tough, no hard middles, but ripens evenly throughout, flesh deep crimson in color. Most very large melons are coarse, tough and poorly flavored. The "Duke Jones" is the largest of melons but has no superior in its delicious flavor.

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 15 cts., lb. 40 cts.

SOUTHERN BEAUTY CANTELOUPE.

THE MUSK MELON FOR THE SOUTH.



This is a new introduction of great merit and value. It is of medium size, extraordinarily prolific, very heavily netted, green fleshed and of delicious flavor.

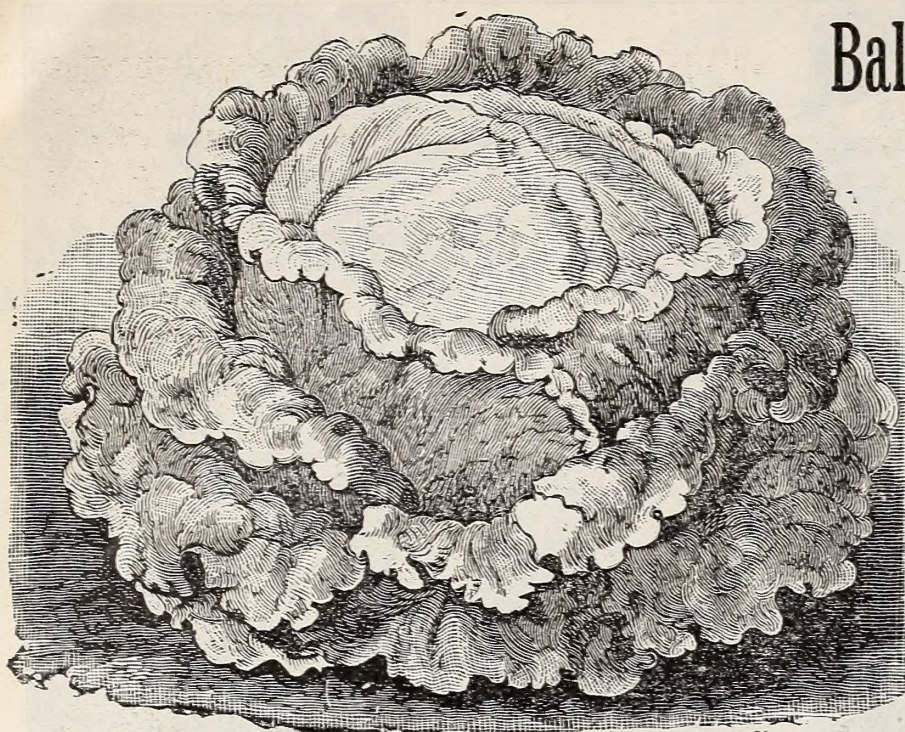
The Grower says: "It is the finest canteloupe I have ever planted, particularly suited to the southern climate. It is remarkably free from rot of all sorts, caused by damp or rainy weather, and will hold up a long time after they have ripened, the outer rind remaining firm and sound for at least ten days after the melon first ripens." Again he says: "I shipped these canteloupes last season from this point to Chicago, Ill., Cleveland and Cincinnati, Ohio, by freight, where they arrived in perfect condition and brought fancy prices." This was proof positive of its fine keeping and shipping qualities.

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00,
5 lbs. \$4.00.

NEW DELMONICO MELON.

This is a most excellent melon, flesh is a rich orange color fine grain, and of delicate flavor; try it.

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 50 cts.



Baltimore Cabbage Lettuce.

This new Lettuce, which we introduced a few years ago, and claimed to be one of the best ever put on the market, and which produced such a sensation among the large growers who tried it, still holds a high place among Lettuce. As soon as the growers discovered its merits they came for more seed, and recommended it to all their friends; these in turn were delighted with their crops, as the result more than justified all we claimed for it. A grower at Gardenville, Maryland, says: "I had three thousand heads of your Baltimore Cabbage Lettuce, and they all headed but one; they are slow to run to seed." The heads are large and solid, color pretty light green, and very slow to seed. In fact, it is just what the truckers and gardeners want. A large trucker in New Jersey writes: "The Baltimore Cabbage Lettuce I had of you was certainly very fine."

Pkts. 5 and 10 cts. Oz. 20 cts. $\frac{1}{4}$ lb.
50 cts. Lb. \$1.50.

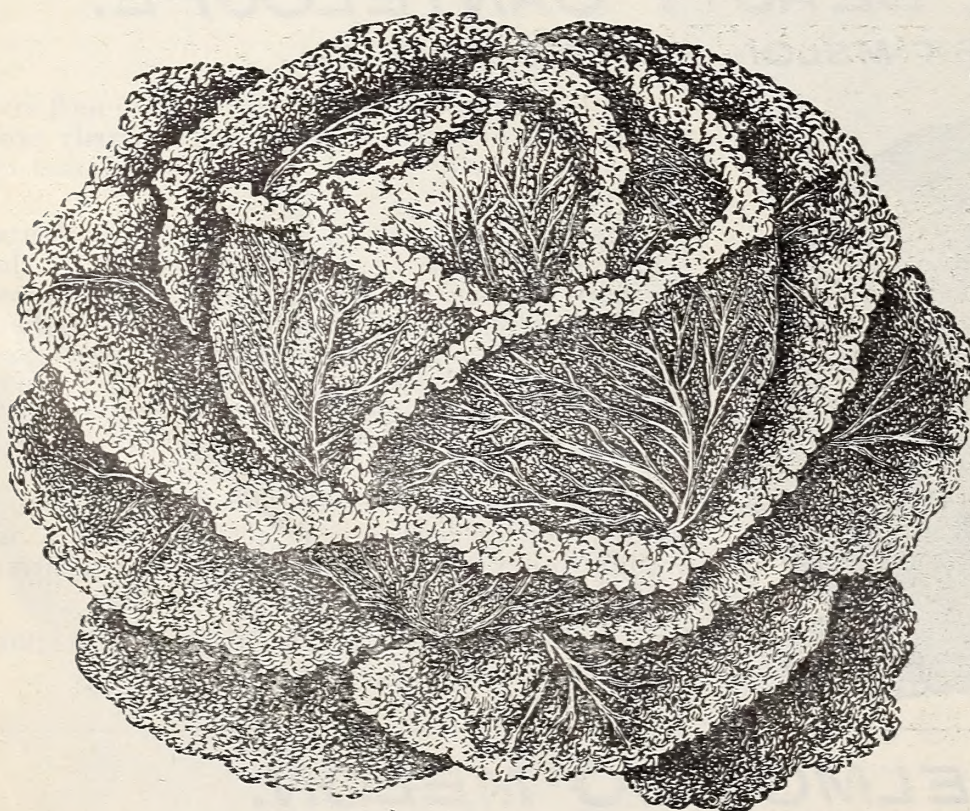
NOTT'S EXCELSIOR PEAS.

Nott's Excelsior is the best dwarf wrinkled extra early of recent introduction. The vines are larger and more vigorous than the American Wonder, while the pods are fully one-third larger, containing six to eight fine, large peas, packed so closely together in the pods that the peas are always more square than round. The pods are always well filled with peas, which, in sweetness and quality, have no superior.

Pt. 15 cts. Qt. 30 cts.
Pk. \$1.25. Bus. \$4.50.

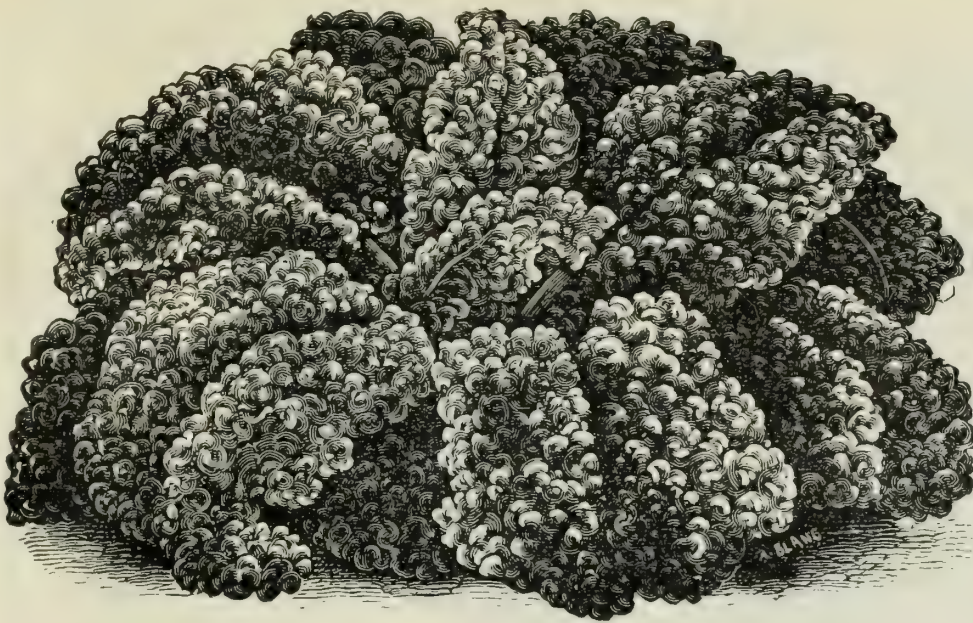


Perfection Drumhead Savoy Cabbage.



This is without any exception the finest stock of Savoy Cabbage to be found anywhere. The heads are large and solid, the leaves beautifully curled, and in tenderness and flavor it is almost equal to Cauliflower, while its keeping quality is first-class. To say that our market gardeners are pleased with it, is putting it mild; they are enthusiastic over it, as they find it so much superior to the old time Savoy. It is specially adapted to private use, as when grown in the fall and allowed to be touched by frost, it is one of the most delicious of all vegetables.

Pkts. 5 and 10 cts. Oz. 15 cts.
 $\frac{1}{4}$ lb. 40 cts. Lb. \$1.25.



GRIFFITH & TURNER CO.'S

Extra Curled American Grown

SAVOY SPINACH.

This is grown specially for us, and is without exception, the best type of Savoy Spinach in existence. It is beautifully curled and wrinkled, the leaves large, thick and heavy, produced in great numbers, and stands handling and transportation better than any other sort; in fact, we hardly think we could say too much about this valuable acquisition to the spinach family. Sold only in sealed bags.

lb. 20 cts.; 7 lbs. \$1.00.

Special prices for large quantities



Baltimore Spineless Egg Plant.

This is decidedly the best and most profitable Egg Plant in cultivation; it is large, thornless, of beautiful shape and handsome purple color. We have never seen finer specimens of Egg Plant than those grown from our seed. When inspecting the field of Egg Plants growing for seed, we were surprised at the regular size and uniform, handsome color of the fruit all over the field.

Pkt. 10 and 25 cts.; oz. 30 cts.; ¼ lb. 85 cts.; lb. \$3.00.

PRIZETAKER ONION.

(AMERICAN GROWN.)

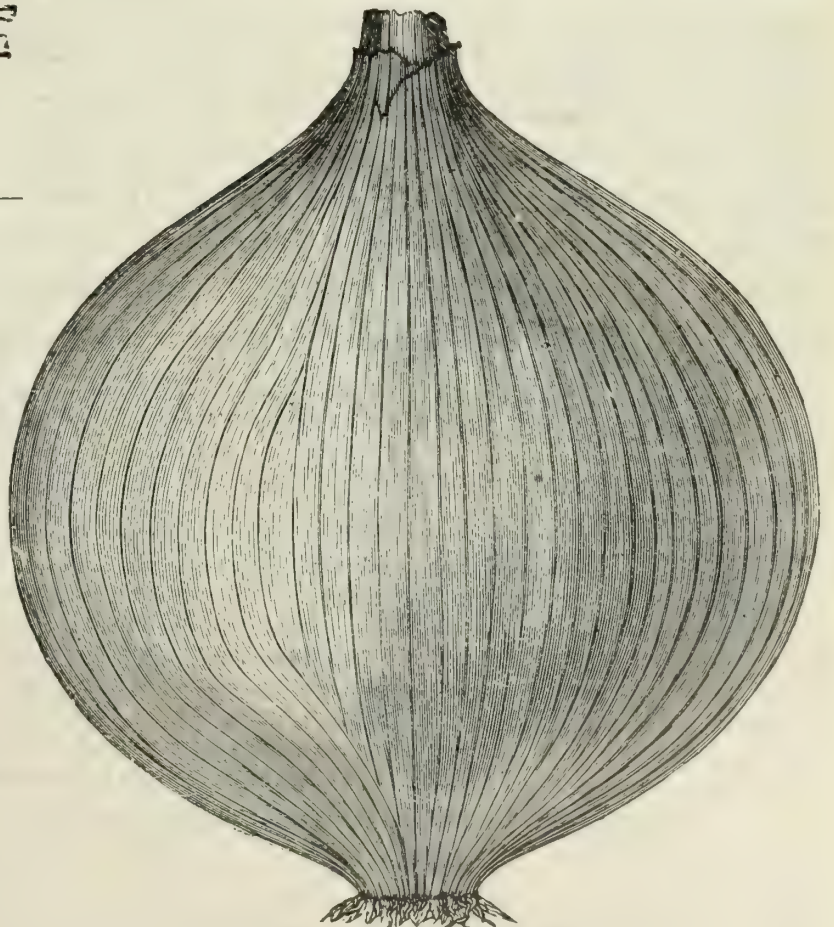
This is the large beautiful onion that is seen every fall offered for sale at the fruit stores in Baltimore and other large cities. They are a rich straw color and of enormous size. Although of such large size, it is very hardy and an excellent keeper. The flavor is mild and delicate, making the Prizetaker a favorite variety for salads. By sowing this sort early, you can raise a crop of large onions the first season, with very little trouble. All that is necessary is good ground, proper cultivation, and not to have them too thick. Those of our growers who have tried them have had remarkably fine success.

Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 40 cts.; lb. \$1.25.

WHITE PEARL ONION.

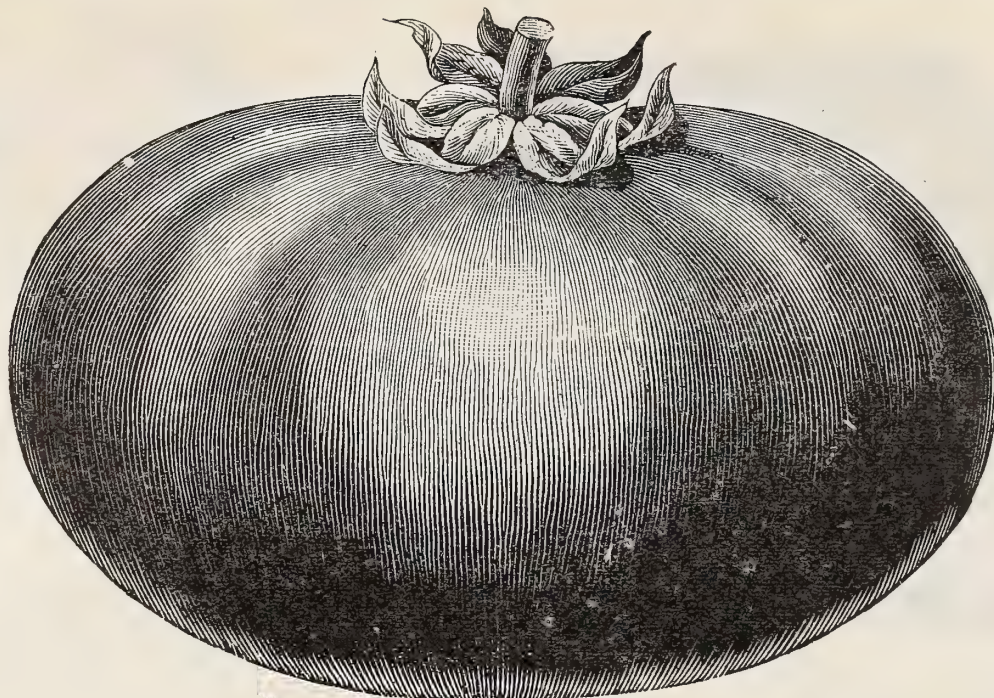
Earliest of all, growing with all the rapidity of a summer radish. Pearly white, waxy and transparent. Form flat and broad, flavor very mild, and it can be eaten raw almost like an apple. On rich soil it will grow very large. This is an elegant sort to sow for large onions, because of its rapid growth and fine quality.

Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 40 cts.; lb. \$1.25.



SPECIAL PRICES TO GARDENERS AND FARMERS, IN LARGE QUANTITIES.

World's
Fair
Tomato



World's
Fair
Tomato

GRIFFITH & TURNER CO.'S
WORLD'S FAIR TOMATO.

THIS NEW TOMATO which we introduced a few years ago, is constantly gaining friends wherever known, and deservedly so, because of its many good qualities. Our sales of seed of this sort have increased each year far beyond our expectation. It is without exception one of the best for Cannery, Market Gardeners or private use, because of its solidity, symmetrical shape, handsome bright red color, uniformity of ripening and freedom from rot. Its shipping and keeping qualities are unexcelled. The gentleman who superintends the growing of this seed for us says: "I desire to call especial attention to this stock; it is particularly solid and of fine flavor, the fruit is good size, smooth and certainly attractive. I venture to say, without fear of contradiction, that your Tomato would bear off the palm for quality and flavor in the hands of impartial judges. Parties around here who saw some of the fruit said they had never seen any better Tomato." We could get any number of testimonials to bear us out in all we say about this excellent Tomato.

Packets, 5 and 10 cts. Oz., 20 cts. ¼ lb., 50 cts. Lb., \$1.75.

NOTICE. Because of the well-known superior quality of this splendid Tomato, and the increasing demand for the seed, other parties are cataloguing a Tomato under the same name. In order to protect those who want the pure article WE GIVE NOTICE that we shall only sell the "World's Fair Tomato" in sealed packages. Ask for Griffith & Turner Co.'s World's Fair Tomato, and don't take any but in sealed packages, with Griffith & Turner Co. printed on them.

ATLANTIC PRIZE TOMATO.

THE BEST AND MOST POPULAR FIRST EARLY TOMATO

SINCE its first introduction the Atlantic Prize Tomato has rapidly popularized itself, and has now become the leading first early tomato in cultivation. Thousands of acres are now annually planted in this variety from Maine to Texas. The vines grow strong, stiff and very rapidly, setting the crown fruit when quite young, the buds appearing before the plant is four inches high. The fruit is borne in immense clusters. Each vine produces from sixty to eighty large perfect tomatoes, very solid and of the finest quality, being unusually free from core and seeds. Another great feature, besides extreme earliness, and one which must prove of great advantage to all tomato growers and market gardeners, is that when first fruiting it ripens more evenly and abundantly than any other tomato grown. It is by far the most valuable first early market variety ever introduced.

Packets, 5 and 10 cts. Oz., 20 cts. ¼ lb., 50 cts. Lb., \$1.50.

GRIFFITH & TURNER Co., April 4, 1896.

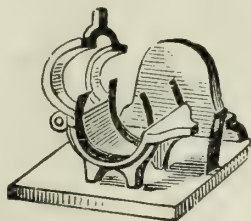
Gents :—We order all our Tomato seed from you, because we believe you handle pure seed, because all that we ordered from you proved to be good.

LINKENHOKER & AGEON, VIRGINIA.

SPECIAL.—Thirteen 5-cent Papers Vegetable Seeds for 50 cents, or Six 10-cent Papers for 50 cents, mailed on receipt of price.

ARTICHOKE.

GREEN GLOBE.—Cultivated for the flower heads, which are cooked like Asparagus.
Pkt. 10 cts. Oz. 30 cts.



ASPARAGUS BUNCHER, \$2.00.
ASPARAGUS KNIVES, 35c., by mail, 45c.

ASPARAGUS.

(German Spargel.)

This is one of the earliest Spring vegetables, and should be in universal use. Many persons think it is difficult to grow, but we consider this a mistake, and believe it can be produced as cheaply and easily as any on the list.

Sow the seed in the seed bed late in the fall or in the early spring, as soon as the ground can be worked, in drills one foot apart, covering the seed about one inch deep. When the plants are 4 to 5 inches high, great care should be taken to keep the bed free of weeds. One ounce of seed will sow forty feet of row. Thin to nine inches in the row.

NEW—MAMMOTH WHITE.—See specialties, page 2. Pkt. 5 cts. Oz. 10 cts. $\frac{1}{4}$ lb. 25 cts. Lb. 75 cts.

BARR'S MAMMOTH.—A new variety, highly recommended for its many good qualities. It is very productive and about ten days earlier than Conover's Colossal. The stalks are very large and retain their thickness completely up to the top of the shoots, very tender and succulent, of delicious flavor, grow very quickly and are light in color.

Pkt. 5 cts. Oz. 10 cts. $\frac{1}{4}$ lb. 20 cts. Lb. 50 cts.

NEW PALMETTO ASPARAGUS.—This new Asparagus, said to have originated in South Carolina, is now quite extensively grown by Southern gardeners for New York and Philadelphia markets, where it sells at very high prices, owing to its mammoth size and regularity. An average bunch of fifteen shoots will measure thirteen to fourteen inches in circumference. For several seasons this Asparagus has reached northern markets ten days ahead of all other varieties, and sold at fabulous prices, even after other varieties had come in. Although of Southern origin, it is equally well adapted to North and South.

Pkt. 5 cts. Oz. 10 cts. $\frac{1}{4}$ lb. 20 cts. Lb. 50 cts.

CONOVER'S COLOSSAL.—The old and well-known variety. Pkts. 5 and 10 cts. $\frac{1}{4}$ lb. 15 cts. Lb. 40 cts. 5 lbs. \$1.50.

ASPARAGUS ROOTS.—A saving of one to two years is effected by planting roots. A bed 12 by 40 feet, requiring about 100 roots, should give a sufficient supply for an ordinary family. 7260 roots will plant an acre.

ASPARAGUS ROOTS.

BARR'S MAMMOTH.—Per 100, 70 cts. Per 1000, \$4.00.

PALMETTO.—Per 100, 60 cts. Per 1000, \$4.00.

COLOSSAL.—Per 100, 60 cts. Per 1000, \$3.50.

MAMMOTH WHITE.—Per 100, 75 cts. Per 1000, \$6.00.

DWARF BEANS.

GREEN PODDED SORTS.

1 quart will plant 100 feet of drill.
Add 8 cts. per pint or 15 cts. per quart on all Beans if to be sent by mail.

Select light, warm soil, and plant when danger from frost is past in the spring, in drills 2 to 2 $\frac{1}{2}$ feet apart, dropping the beans about two inches apart in the drills, and cover two inches deep. A succession of sowings can be made from the first week in May until August.

EARLIEST MARKET.—This is well named, being the earliest Bean in existence, and therefore very profitable to the Market Gardener, and desirable to the Private Gardener as well. The pods are long, broad, green and very showy, reaching maturity in thirty days from germination, and the habit of vine very productive.
Pt. 15 cts. Qt. 25 cts. Pk. \$1.15. Bu. \$4.00.



EARLIEST RED VALENTINE.

EARLIEST RED VALENTINE.—Ten days earlier than the ordinary Red Valentine Bean, and therefore the best for Truckers and Market Gardeners. It is without doubt the very best and earliest green Snap Short Bean. The habit of the vine is dwarfed and very uniform. Color of pods light green, round, curved, succulent, prolific, continuing long in edible condition.

Qt. 20 cts. Pk. 75 cts. Bu. \$2.50.

LONG YELLOW SIX WEEKS.—Very early, hardy bean.

Pt. 10 cts. Qt. 20 cts. Pk. 75 cts. Bu. \$2.50.

WHITE VALENTINE.—Similar to the Red, except the color of the seed is white, very desirable both for Private and Market Gardeners.

Pt. 10 cts. Qt. 20 cts. Pk. 80 cts. Bu. \$3.00.

EXTRA EARLY REFUGEE.—It is similar in every respect to the ordinary Refugee, but is nearly two weeks earlier. It is enormously prolific, and from its earliness is almost certain to produce a crop, no matter how unfavorable the season. The Extra Early Refugee is rapidly becoming the favorite sort with Southern truckers and planters, as it matures equally early with the Red Valentine, and has that beautiful silvery green color in the pods that is so much desired. In quality it is unexcelled, being exceptionally free from string, and meltingly tender at all stages of its growth. Our stock of this variety has been especially selected and improved, and we recommend it.

Pt. 10 cts. Qt. 20 cts. Pk. 75 cts. Bu. \$2.50.

DWARF HORTICULTURAL.—A very fine green podded sort, used as a Shell Bean, and for this purpose is one of the finest in general use, long a favorite with those who use a Shell Bean in a green state.

Pt. 10 cts. Qt. 20 cts. Pk. 75 cts. Bu. \$2.50.

BEST OF ALL.—One of the most valuable green podded sorts for family or market use. The pods are six inches long, very fleshy, succulent, stringless, and of rich flavor; they are produced early and abundantly.

Qt. 20 cts. Pk. 85 cts. Bu. \$3.00.

WARREN BUSH.—Vigorous and upright in growth, producing broad flat pods that are tender and of good flavor, much prized wherever introduced, and we recommend it highly. Seed large, oval, thick, purplish brown. The Warren is a good cropper, and has a large, pulpy, stringless pod, very rich in quality.

Pt. 15 cts. Qt. 20 cts. Pk. 85 cts. Bu. \$3.00.

SPECIAL PRICES TO GARDENERS AND FARMERS, IN LARGE QUANTITIES.

BEANS.—Continued.

WHITE MARROWFAT.—Extensively grown for sales as a dry bean for winter use; excellent shelled, either green or dry.

Qt. 20 cts. Pk. 65 cts. Bu. \$2.25.

WHITE NAVY.—A well known variety for field culture, very prolific, ripening early and all at once; beans small, oval, white, handsome and of super quality.

Qt. 15 cts. Pk. 60 cts. Bu. \$2.25.

WHITE KIDNEY.—**Qt. 15 cts. Pk. 75 cts. Bu. \$2.50.**

DWARF WAX PODDED BEANS.

KEENEY'S RUSTLESS WAX.—**Pt. 15 cts. Qt. 25 cts. Pk. \$1.25. Bu. \$4.00.**

DWARF PROLIFIC BLACK WAX.—Yellow pod; a very superior snap short, ripening among the first earlies and having the best characteristics. Very tender.

Pt. 15 cts. Qt. 25 cts. Pk. \$1.25. Bu. \$4.00.

WHITE WAX.—White pod; among the second early varieties.

Qt. 20 cts. Pk. \$1.15. Bu. \$4.00.

IMPROVED RUST-PROOF GOLDEN WAX.—This is the earliest, handsomest and hardiest of all the Wax Beans. The pods are straight, long and thicker than the ordinary Golden Wax, much superior in quality, absolutely rust-proof and sure to become the favorite Wax Bean; in fact, it has already gained great popularity with growers.

Qt. 20 cts. Pk. 75 cts. Bu. \$2.75.

KIDNEY WAX.—This is one of the best of the wax sorts. The vines are remarkably vigorous, hardy and productive. The pods are very large, smooth, showy, tender, perfectly stringless, and of unusually fine quality.

Qt. 20 cts. Pk. 75 cts. Bu. \$2.75.

REFUGEE WAX.—An old variety that heretofore has been so impure and uneven that we did not care to offer it. We have now secured a stock which can be depended upon to produce thick, fleshy, wax-like pods, of fine quality and of a clear, waxy-white color. It is one of the earliest beans in cultivation.

Qt. 20 cts. Pk. 80 cts. Bu. \$3.00.

NEW GOLDEN-EYED WAX.—This fine new bush Bean is very early; the vine grows vigorously about one and a half feet high, holding the pods off the ground. The pods are handsome, long, straight and flat, remarkably free from rust, and keep bright and crisp long after other sorts are wilted and unsalable.

Qt. 20 cts. Pk. 75 cts. Bu. \$2.50.

CURRIE'S RUST-PROOF BLACK WAX.—For earliness and freedom from rust it is at the head of the Wax Bean family. Habit, upright and robust, holding the pods well from the ground. Pods, long, straight, flat and very meaty, of a beautiful golden color; quality not surpassed, and for productiveness unequalled. All the above claims we have fully substantiated in our own tests, and we recommend it to our market customers with the greatest confidence.

Qt. 20 cts. Pk. 80 cts. Bu. \$3.00.

BUSH LIMA BEANS.

The Bush Lima Beans are rapidly gaining friends, and have evidently come to stay.

DREER'S or KUMERLE BUSH LIMA.—**½ pt. 10 cts. Pt. 15 cts. Qt. 25 cts. Pk. \$1.35. Bu. \$5.00.** By mail, 15 cts. per qt. extra.

BURPEE'S BUSH LIMA.—See description on page 2. **½ pt. 10 cts. Pt. 15 cts. Qt. 25 cts. Pk. \$1.75. Bu. \$5.50.** By mail, 15 cts. per qt. extra.

HENDERSON'S DWARF LIMA.—These are valuable because they do not need poles, and being so dwarf can be planted close together. They are very early and prolific, continuing to bear until frost.

Pt. 20 cts. Qt. 20 cts. Pk. \$1.25.

POLE or RUNNING BEANS.

Set the poles three or four feet apart, and plant six to eight beans, with the eyes downward, around each pole thinning to four healthy plants when they are up. They require the same soil and treatment as the dwarf varieties, with the exception that they crave stronger soil and do best in a sheltered location.

MARYLAND WHITE.—This new White Pole Bean is destined to take its place as one of the best Beans ever grown for general purposes. Its thick, meaty green pods are very tender, rich in flavor, and produced in great abundance. It is equally valuable as a snap or shell bean. It has been grown in Maryland to a very limited extent for a few years, and those who have grown it once want it again.

Pt. 15 cts. Qt. 30 cts. Pk. \$1.75.

SPECKLED HORTICULTURAL OR CHERRY.—Very productive, used with or without pods. **Qt. 25 cts. Pk. \$1.25. Bu. \$4.50.**

WHITE CHERRY.—Great favorite, used with or without pods.

Pt. 15 cts. Qt. 25 cts. Pk. \$1.50.

HORTICULTURAL LIMA.—**Qt. 25 cts. Pk. \$1.50.**

GOLDEN CLUSTER WAX.—A splendid white sort, exceedingly productive, of large, golden wax pods, borne in clusters and continuing in bearing until stopped by frost.

Pt. 15 cts. Qt. 30 cts. Pk. \$1.50. Bu. \$5.50.

LAZY WIFE.—Large pale green pods, very thick meated, stringless, rich, tender and buttery, ripens early, clings well to the pole, enormously productive, splendid either as a snap or shell bean, retains its exquisite flavor until nearly ripe.

Qt. 25 cts. Pk. \$1.50. Bu. \$5.00.

CREASE-BACK, or FAT HORSE.—A well-known and highly esteemed Southern variety. Very productive. Forms very full, round pods, very fleshy, entirely stringless and distinctly creased along the back, hence its name. This variety is especially valuable for its extreme earliness and its habit of perfecting all of its pods at the same time.

Qt. 30 cts. Pk. \$1.50. Bu. \$5.00.

DUTCH CASE KNIFE.—Vines moderately vigorous, climbing well, but not twining so tightly as some, and so may be used for a corn hill bean. Leaves large, crumpled; blossoms white; pods very long, flat, irregular, green, but becoming cream white; beans broad, kidney shaped, flat, clear white, and of excellent quality, green or dry.

Pt. 15 cts. Qt. 30 cts. Pk. \$1.50.

SOUTHERN PROLIFIC.—**Qt. 20 cts. Pk. \$1.00. Bu. \$3.50.**

POLE LIMA BEANS.

EXTRA EARLY LIMA.—This variety is two weeks earlier than other sorts; the pods are large and numerous.

Qt. 25 cts. Pk. \$1.50. Bu. \$5.00.

DREER'S IMPROVED LIMA.—An excellent variety, of superior quality and very productive.

Qt. 30 cts. Pk. \$1.75. Bu. \$6.00.

EXTRA LARGE LIMA.—As a shell bean surpasses all in quality, and is the favorite with most people; the beans are very large, tender and of delicious flavor.

Qt. 25 cts. Pk. \$1.50. Bu. \$5.00.

LARGE LIMA.—**Qt. 25 cts. Pk. \$1.25. Bu. \$4.50.**

KING OF THE GARDEN LIMA.—Pods very large and productive, yielding 4, 5 and 6 beans to the pod.

Qt. 25 cts. Pk. \$1.50. Bu. \$5.00.

BROAD WINDSOR BEANS.

Matures in fifty days after germination. Should be planted very early.

Qt. 25 cts. Pk. \$1.50.

BEETS.

German, Runkel Rube.

(One ounce of seed will sow one hundred feet of drill.)

Select a deep, rich sandy loam, and manure with well decomposed compost or a good chemical fertilizer. Sow in drills, fourteen to sixteen inches apart, and cover one inch deep. When the young plants appear, thin to four or five inches apart. For early use, sow as soon as the ground can be worked in the spring; for autumn use, about the middle of May; and for winter use, during June or July, according to variety—the long varieties requiring more time to mature than the round early kinds.

CROSBY'S IMPROVED EGYPTIAN.—We believe this to be the earliest variety in existence. It is of perfect shape when small, thus making a good Beet for bunching, and is very popular with the market gardeners for this purpose. Try it, and we know you will be pleased. See description page 2.

Pkts. 5 and 10 cts. ½ lb. 15 cts. 1 lb. 40 cts.

LARGE EGYPTIAN BEET.—One of the best for early or general crop; it is of good shape, deep red color and does not crack open; is quite a popular sort with Baltimore gardeners.

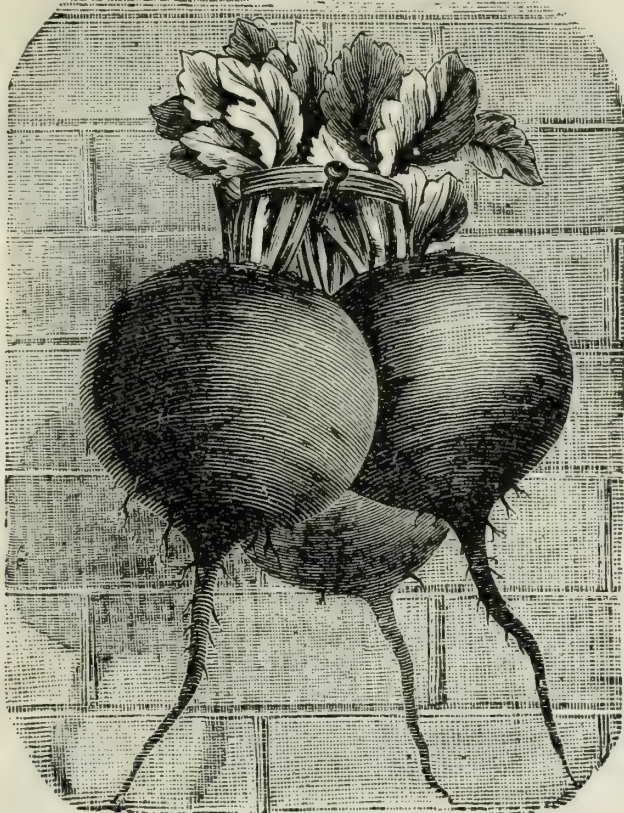
Pkts. 5 and 10 cts. ½ lb. 15 cts. 1 lb. 40 cts.

EARLY MARKET BEET.—This is one of the earliest varieties and a most excellent Beet. It can be had ready for market before the roots of many other kinds begin to form bulbs.

Pkt. 5 cts. Oz. 20 cts. ½ lb. 15 cts. 1 lb. 40 cts.

EARLY EGYPTIAN.—This is a flat Beet, very early and deep red color. Owing to the small top it can be planted very close.

Pkts. 5 and 10 cts. ¼ lb. 15 cts. Lb. 40 cts.



ECLIPSE BEET.

This new extra early Beet is remarkable for its fine quality and rapid growth, is of deep red color and handsome shape; as an early market sort it is unrivaled. It is, to a large extent, superseding the Egyptian, being earlier in development, more attractive in appearance, and of superior quality for the table. We have never known a market gardener to try it but who wanted it again.

Pkts. 5 and 10 cts. ¼ lb. 15 cts. Lb. 40 cts.



EARLY BLOOD TURNIP BEET.

G. & T. CO.'S EARLY BLOOD TURNIP.—Grown specially for us from selected roots. In shape like a turnip, deep red color, and best for general use. We have been selling this stock of Beet for a number of years, and it has given unqualified satisfaction.

Pkt. 5 cts. Oz. 10 cts. ¼ lb. 20 cts. Lb. 45 cts.

BASSANO, OR EXTRA EARLY TURNIP.—Flesh white and rose, very sweet and tender,
Pkt. 5 cts. Oz. 10 cts. ¼ lb. 15 cts. Lb. 40 cts.

EDMOND'S RED TURNIP.—The most uniform of all Turnip Beets. It is of handsome round shape, good marketable size and deep blood color. It has a small top and may be planted close.

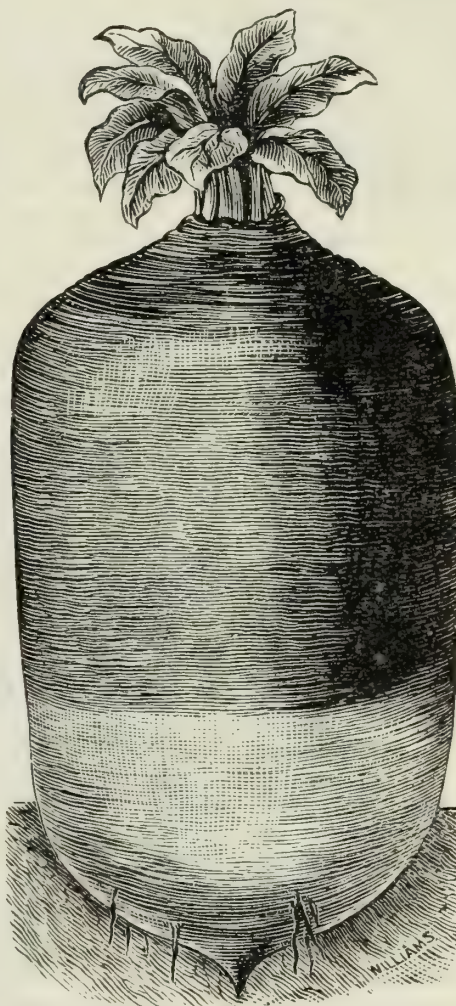
Pkt. 5 cts. Oz. 10 cts. ¼ lb. 15 cts. Lb. 40 cts.

LARGE LONG BLOOD.—A large and desirable late variety of deep red color.

Pkt. 5 cts. Oz. 10 cts. ¼ lb. 15 cts. Lb. 40 cts.

BEETS FOR STOCK.

(Sow four pounds to the acre.)



GOLDEN TANKARD MANGOLD.

MANGOLD WURZELS are grown for stock, and as they grow larger than other Beets, require more room. They should be sown from April to June, in drills two and a-half ft. apart, and the plants thinned to twelve or fifteen inches in the row. The attention of farmers to the growing of Beets for stock feeding has rapidly increased, but it should be grown more generally, and will show the results in the health and condition of the stock. It supplies good, rich food for cattle during the winter.

GOLDEN TANKARD MANGOLD.—The best type of Mangold—small top, smooth rich skin, broad shoulders, very solid fleshed, golden stemmed, heavy producer. It has already taken the lead of other varieties in England, and is

relished by milch cows and sheep.

Pkt. 5 cts. ¼ lb. 15 cts. Lb. 30 cts. 4 lbs. for \$1.00.

LONG RED MANGOLD WURZEL.—The well-known, large long variety, grows well out of ground; color light red. Very productive.

Pkt. 5 cts. ¼ lb. 15 cts. Lb. 30 cts. 4 lbs. for \$1.00.

WHITE SUGAR BEET.—A large growing sort, and used for feeding stock.

Pkt. 5 cts. ¼ lb. 15 cts. Lb. 30 cts. 4 lbs. for \$1.00.

BRUSSELS SPROUTS.

German, Kopfkohl Gruner.

(One ounce of seed to 100 yards of row.)

A class of plants allied to the Cabbage family, producing a great number of small heads for sprouts on the main stem of the plant, which are used and prepared as greens. It is a delicious vegetable, especially after being exposed to the frost. Plant in rich soil, in hills two feet apart each way.

Pkt. 10 cts. Oz. 20 cts. ¼ lb. 60 cts.

SPECIAL PRICES TO GARDENERS AND FARMERS, IN LARGE QUANTITIES.

BROCCOLI.**German, Spargel Kohl.**

(One ounce of seed to 100 yards of row.)

The Broccoli are closely allied to the Cauliflower family. They require similar cultivation and treatment to Cauliflower.

EARLY PURPLE CAPE.—Large, compact.
Pkt. 10 cts. Oz. 40 cts.

LARGE EARLY WHITE.—Head white, like Cauliflower; the best.
Pkt. 10 cts. Oz. 40 cts.

CABBAGE.**German, Kopfkohl.**

(One ounce of seed to 100 yards of row.)

Cabbage will thrive on any good corn land, though the stronger the soil the better they will develop. New land is preferable. Plow deep and manure very liberally, as Cabbage is a strong feeder and will repay for the care bestowed upon it. The early sorts bear planting from eighteen inches to two feet apart in the rows, with the rows from two to two and a half feet apart. The larger varieties to be from two to four feet apart in the rows, with the rows from two and a half to four feet apart, the distance varying with the size. It does not pay to buy cheap Cabbage seed. Ours is American grown, and from the best stock in the country.

For early use, sow in a hot-bed February or March, and transplant to a cold-frame as soon as large enough. In April the plants may be set out in the rows. For late crop sow in nursery bed in May or June, and transplant as soon as the plants are five or six inches high. The ground should be thoroughly cultivated every week until the plants meet in the rows.

SELECT VERY EARLY JERSEY WAKEFIELD.—Wonderfully fine, used very extensively by market gardeners. It is, without exception, the best early Cabbage grown. For description see page 3.
Pkts. 5 and 10 cts. Oz. 15 cts. $\frac{1}{4}$ lb. 40 cts.
lb. \$1.25.

BIG CHARLESTON WAKEFIELD.—This is a type of the well-known Wakefield Cabbage, the heads of which will average nearly 50 per cent. larger than the Early Wakefield. It has all the characteristics of the parent stock, except growing much larger and being a few days later. It is becoming very popular in the South.
Pkts. 5 and 10 cts. Oz. 15 cts. $\frac{1}{4}$ lb. 40 cts.
lb. \$1.25.

KING OF EARLIES.—An excellent early sort. Heads formed like a Wakefield, but ten days earlier. Habit vigorous, short stem, and proof against sun.
Pkts. 5 and 10 cts. Oz. 25 cts. $\frac{1}{4}$ lb. 65 cts.
lb. \$2.00.

LARGE EARLY YORK.—One of the earliest. Forms a medium size pointed head.
Pkts. 5 and 10 cts. Oz. 15 cts. $\frac{1}{4}$ lb. 40 cts.
lb. \$1.25.

EARLY WINNINGSTADT.—Head large, cone-shaped and solid. An old and popular sort.
Pkts. 5 and 10 cts. Oz. 15 cts. $\frac{1}{4}$ lb. 40 cts.
lb. \$1.25.

EARLY DWARF FLAT DUTCH.—An old standard variety which stands the sun and produces fine large heads, coming in soon after the Wakefield.
Pkts. 5 and 10 cts. Oz. 15 cts. $\frac{1}{4}$ lb. 40 cts.
lb. \$1.25.

LARGE EARLY SUMMER.—One of the earliest of the summer varieties. Heads large and flat; short stemmed, few outside leaves, uniform in character, and about ten days later than the Wakefield. It is very popular with the truckers.
Pkts. 5 and 10 cts. Oz. 15 cts. $\frac{1}{4}$ lb. 40 cts.
lb. \$1.25.

**ALL-HEAD EARLY CABBAGE.**

This is the earliest of all large Cabbages, fully one-third larger than the Early Summer, therefore, more profitable to the market gardener. It is the nearest approach to a *thoroughbred Cabbage* of any variety, both in size and uniform development. As the All-Head comes in quicker than any of the other Flat Cabbages, it is consequently more tender. It is also valuable for a late or winter Cabbage.

Pkts. 5 and 10 cts. Oz. 15 cts. $\frac{1}{4}$ lb. 40 cts.
lb. \$1.25.

**SUCCESSION CABBAGE.**

The Succession Cabbage is one of the most valuable contributions to horticulture. It would be classed as a second early variety, coming in a few days later than Early Summer, but it is immeasurably superior to that variety; it is nearly double the size and is absolutely true to its type under all conditions. In addition to this, it has no tendency whatever to run to seed. It is one of the *finest sorts in existence* to-day; whether for medium early, main crop or late use, it has no superior. It is so finely bred and so true to type that in a field of twenty acres every head appears alike. We can recommend it either for the market gardener, trucker or private planter, as it is a perfect Cabbage in every respect, not only being of the largest size, but of handsome color and of the finest quality. It is probably the safest variety for an amateur to plant, as it does well at all seasons, and one is almost sure of getting a crop, no matter when it is planted.

Pkts. 5 and 10 cts. Oz. 15 cts. $\frac{1}{4}$ lb. 40 cts.
lb. \$1.25.

WORLD BEATER, or AUTUMN KING.—This is a very superior late Cabbage. The large broad heads are very thick through, slightly rounded at the top, fine grained and tender, has a short stalk and is a rapid grower. Very solid, beautiful dark green color, and one of the best keepers we know.

Pkts. 5 and 10 cts. Oz. 20 cts. $\frac{1}{4}$ lb. 60 cts.
lb. \$2.00.

CABBAGE.—Continued.

DANISH BALL HEAD.—

This most excellent variety of Cabbage, coming from Denmark, has grown very rapidly into favor with both market and private gardeners. It is a large, round, solid heading medium early variety; a very sure header, having few loose leaves, consequently can be planted very close together. Although a medium early, can also be grown for a fall and winter crop, being one of the best keepers. Very popular in the Philadelphia, New York and Boston markets.

Pkt. 10 cts. Oz. 25 cts. $\frac{1}{4}$ lb. 75 cts. lb. \$2.50.

SUREHEAD.—This popular Cabbage is rightfully named Surehead, as it never fails to make a fine, large, solid head, with few outer leaves. It is a strong, vigorous grower, and very uniform in size and color. Always brings the highest price in our markets.

Pkts. 5 and 10 cts. Oz. 15 cts. $\frac{1}{4}$ lb. 40 cts. lb. \$1.25.

ALL SEASONS.—This forms a fine, large head, of superior quality, nearly as early as the Early Summer. Suitable for planting at any season.

Pkts. 5 and 10 cts. Oz. 15 cts. $\frac{1}{4}$ lb. 40 cts. lb. \$1.25.



PREMIUM FLAT DUTCH.

PREMIUM LARGE LATE FLAT DUTCH.—Large and excellent for winter, very extensively grown. The head is broad, thick and flat, well covered in by leaves lapping across the centre, outside leaves feathered to the base of the leaf stem.

Pkts. 5 and 10 cts. Oz. 15 cts. $\frac{1}{4}$ lb. 40 cts. lb. \$1.25.

LARGE LATE AMERICAN DRUMHEAD.—One of the largest, most solid and best keeping late varieties. This variety seldom fails to head, and is of good quality. **Pkts. 5 and 10 cts. Oz. 15 cts. $\frac{1}{4}$ lb. 40 cts. lb. \$1.25.**

PERFECTION DRUMHEAD SAVOY.—An excellent variety of fine quality. The best Savoy Cabbage grown. Heads are very large, resembling the Drumhead, solid and beautifully curled. When properly cooked is almost equal to Cauliflower.

Pkts. 5 and 10 cts. Oz. 15 cts. $\frac{1}{4}$ lb. 40 cts. lb. \$1.25.

LARGE RED DUTCH.—The head is large, round, solid and a deep red color, the best of the Red Cabbages.

Pkts. 5 and 10 cts. Oz. 20 cts. $\frac{1}{4}$ lb. 50 cts. lb. \$1.50.

LOUISVILLE DRUMHEAD.—This is the most popular intermediate or second early with market gardeners around Louisville and the Southwest. It comes off medium early, withstands heat to a remarkable extent, heads large, solid and uniform in size and color. We can recommend this sort very highly for the Southern and Middle States.

Pkt. 10 cts. Oz. 15 cts. $\frac{1}{4}$ lb. 40 cts. lb. \$1.25.



BOSS FLAT DUTCH.

BOSS FLAT DUTCH.—In again calling the attention of market gardeners and truckers to this magnificent Cabbage, we would say that it has fully met the claims we made for it upon its introduction. When we ask our customers how they like it, their answer is "splendid" or "elegant," everything heads; "you can scarcely find any that don't head." The heads are large, hard, thick and flat, the leaves lapping across the centre, making it the most desirable winter variety in cultivation. Try it and be convinced of its superior qualities.

Pkts. 5 and 10 cts. Oz. 20 cts. $\frac{1}{4}$ lb. 50 cts. lb. \$1.75.

CAULIFLOWER.

(One ounce of seed will produce 2,000 plants.)



The most delicate and delicious of all the Cabbage family, and requiring the same culture and treatment, but being more delicate, the good culture and richness of the soil recommended for Cabbage is absolutely necessary for the Cauliflower. For early crop, sow in hot-bed or cold frame in February or March. For late crop sow

and treat like late Cabbage. Many amateurs make the mistake of sowing the seed too early for late crop. It should not be sown before May, as when sown earlier they begin to head before the hot weather is over and are a failure. Cauliflower can only be grown on rich, well tilled and well watered soil.

SELECT EARLY DWARF ERFURT.—Long the standard of highest excellence, and still holding its own with a great many people.

Pkts. 25 and 50 cts. $\frac{1}{4}$ oz. 50 cts. Oz. \$1.75.

EARLY PARIS.—An excellent sort for early or late use.

Pkt. 10 cts. Oz. 50 cts.

EARLY SNOWBALL.—Snowball Cauliflower is, and deserves to be, the standard everywhere for quality with the seedsman, the market gardener and the amateur. It is the earliest of all Cauliflowers, nearly every plant will form a perfect snow-white head, and its close growing, compact habit enables one-third more to be planted on the same space of ground. See page 3.

Pkts. 25 and 50 cts. $\frac{1}{4}$ oz. 75 cts. Oz. \$2.00.

CORN SALAD.

(Three ounces of seed to 100 feet of row.)



CORN SALAD.

A favorite salad plant and very hardy. Sow in August or September, and protect with leaves during the winter; it can be gathered in the spring very early. Sow in April it is soon ready for use. The leaves are sometimes boiled and served as spinach.

Pkt. 5 cts. ¼ lb. 15 cts. 1b. 40 cts.

CARROT.**German, Mohre.**

(One ounce of seed to 100 feet of row.)

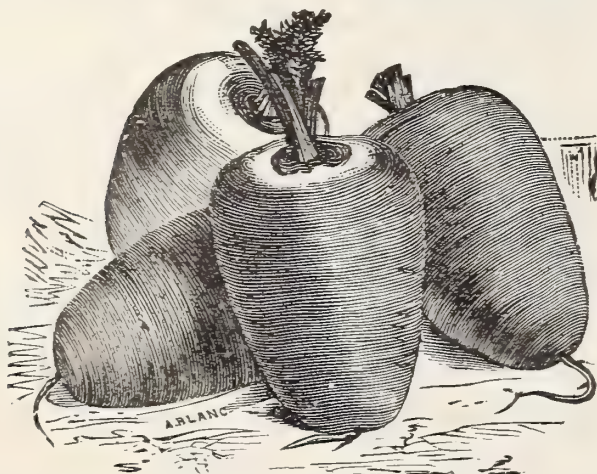
Carrots thrive best in rather a light, rich loam. The ground should be well manured with fine, well rotted or composted manure, and be thoroughly worked quite deep. Sow in rows fourteen inches apart and thin plants to five or six inches in the row. Sow from middle of April to middle of May. For late crops sow in June or July. An important point in sowing Carrots is to tread the rows firmly after sowing. For field culture Carrots should be sown in drills three to three and a-half feet apart, so as to cultivate by horse.

LONG ORANGE.

—Deep orange color, long, smooth, fine for either garden or field culture. All who have cattle should raise a surplus of this Carrot for feeding milch cows during winter. It increases the flow of milk and imparts to the butter a delicious flavor and a rich golden color.

Pkt. 5 cts. Oz. 10 cts. ¼ lb. 20 cts. 1b. 60 cts.

LONG ORANGE.



OX HEART.

OX HEART.—A new French variety, intermediate, in length, of fine quality; excellent table sort. The shape is nearly oval, and the color and quality all that can be desired. No market gardener should be without it.

Pkts. 5 and 10 cts. ¼ lb. 20 cts. 1b. 60 cts.

EXTRA EARLY FORCING.—Ten days ahead of all others.

Pkt. 5 cts. Oz. 10 cts. ¼ lb. 30 cts. 1b. \$1.00.

EARLY SCARLET HORN.—Blunt-rooted, early, good. Favorite sort for early crop.

Pkt. 5 cts. Oz. 10 cts. ¼ lb. 25 cts. 1b. 75 cts.



CHANTENAY CARROT.

NEW CHANTENAY.—Very productive, has an extra large shoulder, is easily dug, and is in every way desirable. It is very smooth, fine in texture, and of a beautiful rich orange color. Well worthy of a thorough trial.

Pkt. 5 cts. Oz. 10 cts. ¼ lb. 25 cts. 1b. 75 cts.

HALF-LONG ORANGE DANVERS.

—A decided acquisition of the half-long type, broad-shouldered, cylindrical, admirable in color, fixed in habit, a wonderful producer. It is a first-class Carrot for all soils.

Pkt. 5 cts. Oz. 10 cts. ¼ lb. 20 cts. 1b. 60 cts.



HALF-LONG ORANGE DANVERS.

CELERIAC,**OR TURNIP ROOTED CELERY.**

LARGE, SMOOTH PRAGUE.—The largest, smoothest and best of the Celeriacs.

Pkts. 5 and 10 cts. Oz. 20 cts. ¼ lb. 50 cts. 1b. \$1.50.

NEW APPLE SHAPE.—Small foliage, large, round, smooth.

Pkts. 5 and 10 cts. Oz. 20 cts. ¼ lb. 50 cts. 1b. \$1.50.



NEW APPLE SHAPE.

SPECIAL PRICES TO GARDENERS AND FARMERS, IN LARGE QUANTITIES.

CELERY.

German, Seleri.

(One ounce will produce 200 Plants.

Plant seed in hot-bed or very early in open ground. Transplant four inches apart when three inches high, in rich soil finely pulverized; water and protect until well rooted. In June or July transplant into rows three to four feet apart, either on surface or well manured trenches a foot in depth, half filled with well-rotted manure. Set the plants from six to eight inches apart. To blanch, draw earth around the plants from time to time, taking care not to cover the top of the centre shoots.

GOLDEN HEART.—This old standard variety still holds a high place in the estimation of market gardeners, and is largely used, always giving satisfaction. A showy sort, solid, of fine flavor and a good keeper.

Pkts. 5 & 10 cts. Oz. 15 cts. ¼ lb. 40 cts. lb. \$1.25.



GOLDEN HEART.

PARIS GOLDEN SELF-BLANCHING.—This cannot be too highly recommended. It is of beautiful golden color, self-blanching, solid and crisp, and of a rich, nutty flavor, very showy, easily blanched and very early. Heart handsome golden yellow, leaves light green. See page 4.

Pkts. 5 and 10 cts. Oz. 25 cts. ¼ lb. 75 cts. lb. \$2.50.



WHITE PLUME.

WHITE PLUME.—An early, handsome, self-bleaching variety, growing in popularity every year.

Pkts. 5 and 10 cts. Oz. 20 cts. ¼ lb. 50 cts. lb. \$1.50.

PINK PLUME.—This is identical with the White Plume, but with the added merit of the stalks being exquisitely suffused with pink, and possessing the crispness, rich, nutty flavor and long keeping qualities for which red celeries are noted.

Pkt. 10 cts. Oz. 30 cts.

PERFECTION HEARTWELL.—The best flavored, most crisp and tender of the white varieties. The stalks are clear and attractive in color, very popular in the New York markets.

Pkts. 5 and 10 cts. Oz. 20 cts. ¼ lb. 50 cts. lb. \$1.50.

IMPROVED BOSTON MARKET.—This is a decided improvement on the old Boston Market, being earlier, larger in size and of more vigorous growth.

Pkts. 5 and 10 cts. Oz. 15 cts. ¼ lb. 40 cts. lb. \$1.25.



GIANT PASCAL.

GIANT PASCAL.—A selection from the well-known Self-Blanching Celery. It partakes of the best qualities of that variety, is somewhat larger and an excellent keeper. Some of our market gardeners prefer it above all others.

Pkts. 5 and 10 cts. Oz. 15 cts. ¼ lb. 40 cts. lb. \$1.25.

EARLY ARLINGTON.—This new Celery is an improved selection of the well-known Boston Market Celery, made by an Arlington market gardener. It is very early, coming in quite three weeks in advance of the Boston Market; and its superiority over that variety is in the fact that it is earlier, of larger size, and more vigorous growth, and bleaches easily and more quickly.

Pkt. 10 cts. Oz. 20 cts. ¼ lb. 65 cts. lb. \$1.50.

NEW ROSE.—In England, the Pink or Red Celeries are much more largely used than the White varieties, and we wonder they are not more grown in this country. They possess many advantages over the white, being *hardier, more solid and better keepers*. The *New Rose* is the best of all the red varieties, combining all these desirable qualities, and is the most desirable for the table, with its beautiful rose-colored heart and pink stems.

Pkt. 10 cts. Oz. 20 cts. ¼ lb. 60 cts. lb. \$2.00.

WHITE SOLID.—A large, standard sort.
Pkts. 5 and 10 cts. Oz. 15 cts. ¼ lb. 40 cts. lb. \$1.25.

FLAVORING CELERY.—For soup,
Pkt. 5 cts. ¼ lb. 10 cts. ½ lb. 15 cts. lb. 25 cts.

CRESS, or PEPPER CRASS.

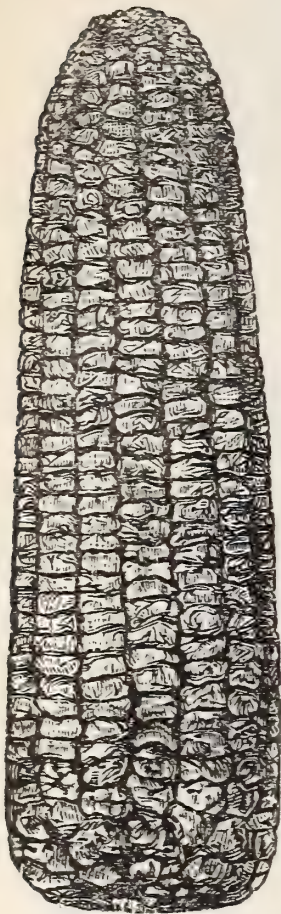
Used as a small salad. Sow very thickly in shallow drills, on a smooth surface, at short intervals throughout the season.

CURLED.—Pkt. 5 cts. Oz. 10 cts. ¼ lb. 20 cts. lb. 60 cts.

WATER CRESS.—Pkt. 10 cts. Oz. 30 cts.

CORN.—For Table Use.**German, Welschkorn.**

When Corn is wanted by mail, add 8 cents per pint to pay Postage.



EVERGREEN.

Sugar Corn may be planted in rows three to four feet apart and the seeds placed about eight inches apart in the rows, or planted in hills three to four feet apart each way, according to variety grown or richness of soil. Do not leave more than three plants remain in each hill. It can be planted in this vicinity from first of May to last of July for succession of crop. By planting every two weeks a family may have good Corn throughout the whole season.

FIRST OF ALL.—A selection from the Cory, the ears about same size as Cory, lighter in color and earlier.

Qt. 20 cts. Pk. 75 cts. Bu. \$2.25.

WHITE CORY.—An extra early variety, with good-sized ears and large kernels.

Pt. 15 cts. Pk. 50 cts. Bu. \$1.75.

EXTRA EARLY BALTIMORE.—The hardiest and earliest variety for table use; it can be planted earlier than any other, but is not a sweet Corn; white indented grains and short ear.

Ear 5 cts. Doz. 30 cts. Qt. 15 cts. Pk. 60 cts. Bu. \$2.00.

CROSBY'S EXTRA EARLY.—An early market variety, very productive, ears rather short and rich sugary flavor.

Qt. 15 cts. Pk. 60 cts. Bu. \$2.00.

STOWELL'S EVERGREEN.—So well known that it scarcely needs description. Excellent, keeps green till cold weather, ears large, one of the best.

Ear 5 cts. Doz. 30 cts. Qt. 15 cts. Pk. 50 cts. Bu. \$1.50.

EXTRA EARLY ADAMS.—Ear 5 cts. Doz. 25 cts. Pt. 10 cts. Qt. 15 cts. Pk. 50 cts. Bu. \$1.50.

ADAMS EARLY.—A favorite in the South.
Ear 5 cts. Doz. 25 cts. Pt. 10 cts. Qt. 15 cts. Pk. 50 cts. Bu. \$1.50.

EARLY BURLINGTON HYBRID.—We introduced this variety in this market five years ago, and our sales have grown each year. Not a true Sugar Corn, but a hybrid or mixture between the Sugar Corn and the Adams Early, being as early as Adams, with an ear about the size of Stowell's Evergreen, and more productive than either. The husk, blade and ear when green resemble the Sugar Corn. Those who have tried it want it again.

Qt. 15 cts. Pk. 50 cts. Bu. \$1.75.

TRUCKERS' EARLY.—This is, as its name indicates, the best Sugar Corn for truckers to plant early. It is a week earlier than Evergreen, very productive and showy. It is also one of the best for later planting. Every market gardener should grow it, as it will produce two to three marketable ears to each stalk.

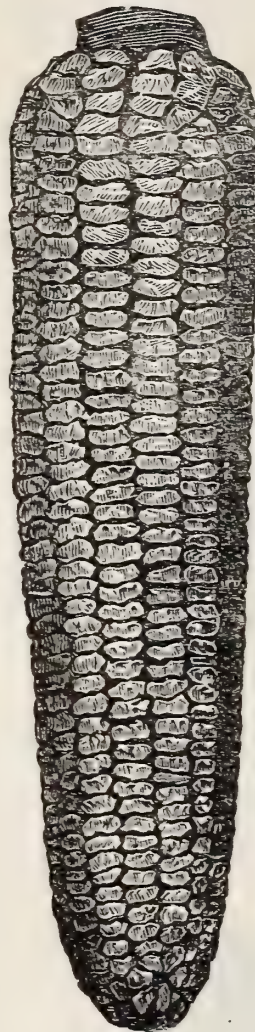
Ear 5 cts. Doz. 40 cts. Qt. 20 cts. Pk. 75 cts. Bu. \$2.50.

EARLY MINNESOTA SUGAR.—One of the first early among Sugar Corn.

Qt. 20 cts. Pk. 65 cts.

EARLY MAMMOTH.—A Splendid market sort, producing large, handsome ears, grain large, white and sweet. Fills out well at the end.

Ear 5 cts. Doz. 30 cts. Qt. 15 cts. Pk. 30 cts. Bu. \$1.50.



LATE MAMMOTH.

or zig-zag upon the cob, which is always an indication of great sweetness in any variety of Sugar Corn.

Pt. 10 cts. Qt. 20 cts. Pk. 75 cts. Bu. \$3.00.

MAMMOTH SWEET.—The largest variety grown, very fine for market purposes.

Ear 5 cts. Doz. 50 cts. Qt. 15 cts. Pk. 50 cts. Bu. \$1.50.

HICKOX.—A very handsome and excellent variety of Sugar Corn, large, white grain and sweet.

Ear 5 cts. Doz. 40 cts. Qt. 15 cts. Pk. 50 cts. Bu. \$1.50.

EGYPTIAN OR WASHINGTON MARKET.—A large variety, somewhat resembling the Evergreen, flavor peculiarly rich and sweet and of superior quality, fine for market.

Ear 5 cts. Doz. 30 cts. Qt. 15 cts. Pk. 50 cts. Bu. \$1.50.

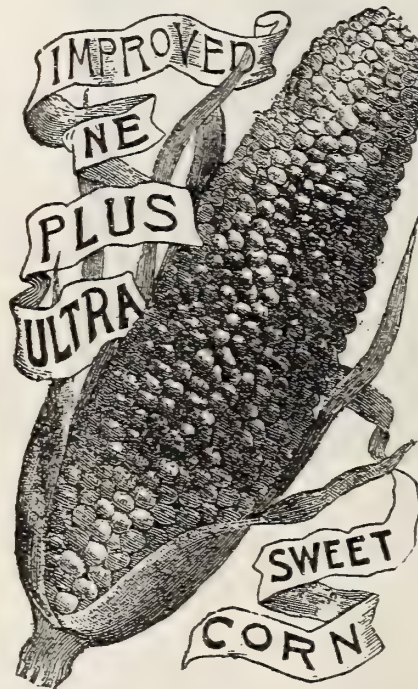
BLACK MEXICAN SUGAR.—The black Corn is especially rich in sugary qualities.

Qt. 20 cts. Pk. 75 cts.

STABLER'S EARLY.—Of larger size than usual for the early kinds. It is remarkable for the fine flavor, sweetness and earliness, and is a desirable gardeners' and canning variety.

Pt. 10 cts. Qt. 20 cts. Pk. 75 cts.

NEW ZIGZAG EVERGREEN.—This is one of the sweetest and best late Sweet Corns, not even excepting the celebrated Country Gentleman and Shoe Peg. The ears resemble Stowell's Evergreen in size and shape, except that the kernels are placed irregularly or zig-zag upon the cob, which is always an indication of great sweetness in any variety of Sugar Corn.



IMPROVED NE PLUS ULTRA.—The sweetest and most delicious flavored of all the Sugar Corn. Early, good-sized ears and deep grain. Very productive, some stalks yielding four ears and an average crop running as high as three ears to the stalk. No private garden should be without this delicious variety.

Qt. 15 cts. Pk. 60 cts. Bu. \$2.00.

COUNTRY GENTLEMEN.—An improvement on the Ne Plus Ultra, having a larger ear.

Qt. 20 cts. Pk. 75 cts. Bu. \$2.25.

90 DAY CORN—RED COB.—This is an elegant corn for Truckers and Market Gardeners, as it is a good seller as green Corn. Is suitable for either early or late crop. **Qt. 10 cts. Pk. 50 cts. Bu. \$1.50.**

SUGAR CORN.—For Fodder. **\$1.25 per bus.**

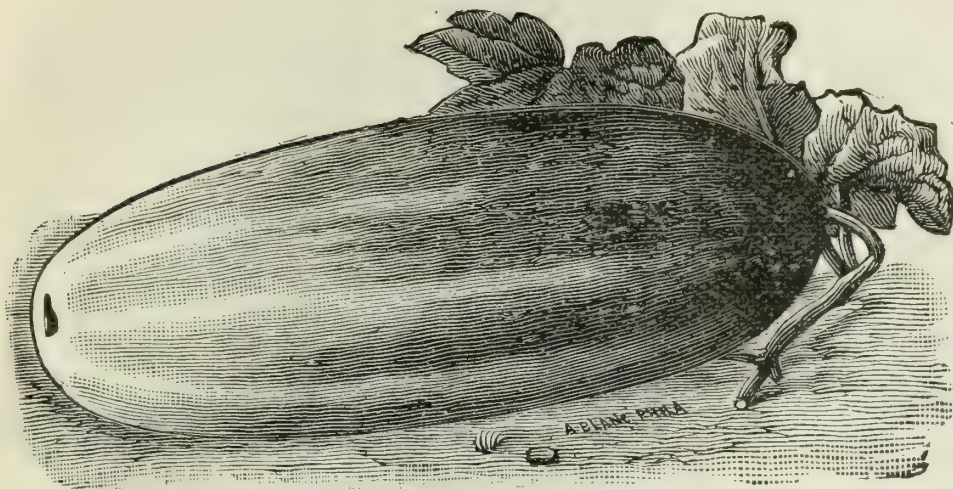
POP CORN.—10c. per lb. **By mail 25c.**

For Field Varieties of Corn, see Farm Seeds Page 31.

SPECIAL PRICES TO GARDENERS AND FARMERS, IN LARGE QUANTITIES.

CUCUMBER.

German, Gurke.



WHITE SPINE CUCUMBER.

BALTIMORE WHITE SPINE CUCUMBER.—This is the best Cucumber for early planting, because it will retain its green color longer than any other sort. It is of good size and shape, and the popular variety with the truckers around Baltimore and Norfolk, as well as the growers from Virginia to Florida.

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 50 cts.

EARLY GREEN.—Early short, prolific. Quality of fruit good.

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 40 cts.

EARLY CLUSTER.—A short, prickly variety, bearing in clusters near the root. A great bearer,

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 40 cts.



LONG GREEN.—Has long been a favorite with growers; dark green, firm and crisp. Superior for pickles and for market.

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 40 cts.

LONG GREEN TURKEY.—A very showy and excellent sort.

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts.

EVER BEARING.—A very desirable new variety.

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts.

COOL AND CRISP.—This is the earliest and one of the most prolific pickling Cucumbers. The Cucumbers are straight, long, even and slim, and of a dark color; it is very tender and crisp.

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 50 cts.

(One ounce will plant fifty hills; two pounds will plant one acre.)

For very early cucumbers, sow the first of April in a hot-bed, upon pieces of sod (grass side down), so that they can be readily transplanted to the open ground, in rich soil, when danger of frost is over, or protect by hand-glasses. The vines require a warm location for early cucumbers. Plant after the ground has become warm, in hills four feet apart for the smaller varieties, and five feet for the larger sorts. For pickling sow from middle of June to last of July. Manure with ashes, fertilizer or some well-rotted compost, working the manure just under the surface. Sprinkle the vines with slug-shot, plaster or air-slacked lime to protect from bugs. The cucumbers should be gathered when large enough for use, whether required or not; if left to ripen it destroys their productiveness.

PEERLESS WHITE SPINE.—The truckers' favorite early Cucumber, a great bearer; excellent for early forcing or for out-door cultivation. Exceedingly popular with growers everywhere, and its popularity shows its worth.

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 40 cts.

ARLINGTON WHITE SPINE.—A strain of White Spine which has been improved through careful selection, with a view to use for forcing in hot-houses and frames, also elegant for field culture. Our stock produces handsome, dark-colored fruits, which retain their color longer than other sorts.

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 50 cts.

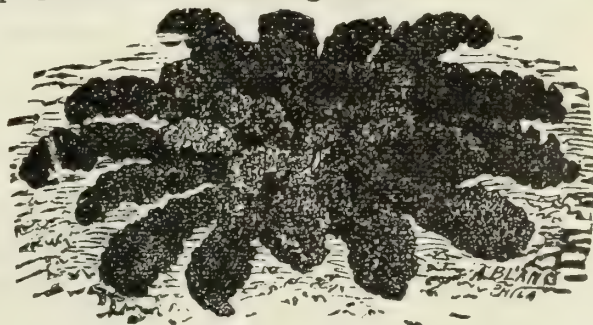
JERSEY PICKLE.—This is the most popular sort with the market gardeners around Baltimore and Philadelphia for Pickling. Said to green better than any other variety.

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 15 cts., lb. 40 cts.

GHERKIN OR BURR.—Used for pickles only.

Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts.

ENGLISH FORCING CUCUMBERS.—Telegraph is the best. Pkt. 25 cts.



DWARF GERMAN.

KALE.

German, Blatter-Kohl.

(One ounce of seed will sow a drill of about 200 feet.)

The Kales are more hardy than Cabbage and make excellent greens for winter and spring use, and are improved by frost. For early spring use sow broadcast in September, and protect during winter. It must also be sown in April or May for later use.

DWARF GERMAN GREENS, or SPROUTS.—This variety sow in September broadcast, and gather in early spring like spinach. It may also be sown early in the spring for later use.

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 15 cts., lb. 40 cts.

NORFOLK.—A variety used by the truckers of Norfolk for shipment North; light green colors and leaves much curled.

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 15 cts., lb. 50 cts.

BORECOLE.

This is grown by all the leading market gardeners, and is by many called *Broccoli*. Sow early in spring and transplant to deep, rich soil, and cultivate same as cabbage. Very spreading, nicely curled and hardy; frost improves it.

Pkts. 5 and 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

EGG PLANT.**German, Eierpflanze.**

(One ounce will produce about one thousand plants.)



Sow the seed in hot beds early in March. When three inches high pot the young plants, using small pots, and plunge them in the same bed, so that the plants may become stocky. They can be planted out, from the pots, when the season becomes sufficiently warm, in May or June; or they can be transplanted into a second bed to make them strong, until the weather is warm enough to transplant, about three feet apart each way, in thoroughly worked and well enriched soil. Draw the earth up to the stems when about a

foot high. Egg-plant seed will not vegetate freely without a strong uniform heat, and if the plants get the least chilled in the earlier stages of growth they seldom recover. Therefore repeated sowings are sometimes necessary. Care should be observed in cutting the fruit so as not to disturb the roots of the plants.

BALTIMORE THORNILESS LARGE PURPLE EGG PLANT.—This Egg Plant is decidedly the best and most profitable sort in cultivation; it is large, thornless, of a handsome purple color and beautiful shape. Our stock of this has for several years been giving unqualified satisfaction. We have never seen finer specimens of Egg Plant than those grown from our seed. See page 7.

Pkts. 10 and 25 cts., oz. 30 cts., 1-lb. 85 cts., lb. \$3.00.

LARGE PURPLE EGG PLANT.—This stock is good, closely resembling our Baltimore Thornless, and will give excellent results.

Pkts. 10 and 25 cts., oz. 30 cts., 1-lb. 75 cts., lb. \$2.50.

ENDIVE.**German, Endivien.**

(One ounce of seed to 150 feet of row.)

For early use, sow as soon as the ground can be worked in the spring, in drills fifteen inches apart, and thin plants to six or eight inches in the row. To blanch the leaves, gather them carefully together when perfectly dry, and tie with matting or soft fibrous material. Another method is to invert flower pots over the plant. The leaves are very highly esteemed for use as salads.

GREEN CURLED.—The best sort in use. Useful as a salad, and also used for garnishing.

Pkt. 5 cts., oz. 15 cts., 1-lb. 40 cts., lb. \$1.25.

**KOHL RABI.**

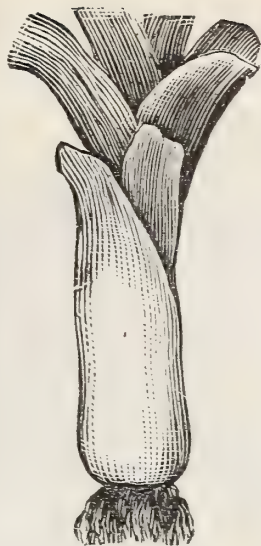
(1 ounce of seed to 100 yards of row.)

WHITE VIENNA.—Bulb light green, flesh white, very rapid in growth, early maturity, fine in texture and symmetrical in form; superior.

Pkts. 5 and 10 cts., oz. 20 cts., 1-lb. 50 cts., lb. 1.50.

LEEK.**German, Lauch.**

(One oz. of seed to 150 feet of row.)



Select good Onion soil, manure liberally, plant in April in drills six to eight inches deep and eighteen inches apart, and thin to nine inches apart in the drill. Gradually draw the earth around the plants until the drills are filled level with the surface. Draw for use in October. To be used in soups or boiled as Asparagus.

EXTRA LARGE.—A large and strong plant; hardy; the best.

Pkt. 5 cts., oz. 10 cts., 1-lb. 40 cts., lb. \$1.50.

MUSSELBURGH.—Oz. 20 cts., 1-lb. 50 cts., lb. \$1.75.

LARGE ROUEN.—Pkts. 5 and 10 cts., oz. 20 cts., 1-lb. 50 cts., lb. \$1.50.

LETTUCE.**German, Lattich.**

(One ounce of seed to 150 feet of row.)

Lettuce requires a rich and rather moist soil. The rows should be about twelve inches apart, and the plants thinned to ten or twelve inches apart for the leading varieties. The more rapid the growth the better the quality. Some varieties are peculiarly adapted for early culture, others for summer growth.

Pkts. 5 and 10 cts., oz. 15 cts., 1-lb. 30 cts., lb. \$1.00.

EARLY CURLED SIMPSON.—Black Seed. Very early, excellent for salads; forms a compact mass of leaves.

Pkts. 5 and 10 cts., oz. 15 cts., 1-lb. 30 cts., lb. \$1.00.

DEFIANCE.—Stands summer heat better than any other variety; one of the finest large growing varieties. It forms very large solid heads, so firm they have to be cut open to allow the flower heads to come through.

Pkts. 5 and 10 cts., oz. 15 cts., 1-lb. 30 cts., lb. \$1.00.

PHILADELPHIA BUTTER.—Black seed. Fine for frames and out-door planting.

Pkts. 5 and 10 cts., oz. 15 cts., 1-lb. 30 cts., lb. \$1.00.

TENNIS BALL.—Black seed. A favorite forcing variety; a very hard head.

Pkts. 5 and 10 cts., oz. 15 cts., 1-lb. 30 cts., lb. \$1.00.



EARLY WHITE CABBAGE, or BUTTER—A broad leaved, vigorous heading sort; white, showy and desirable.

Pkt. 5 cts., oz. 10 cts., 1-lb. 25 cts., lb. 85 cts.

BALTIMORE OAK LEAF.—This Lettuce will resist the heat of summer, and stand longer before running to seed than any variety we have ever known. It makes a large solid head, and is very popular with those who know it. Being such a shy seeder, the seed is more expensive than some other sorts.

Pkts. 5 and 10 cts., oz. 15 cts., 1-lb. 30 cts., lb. \$1.00.

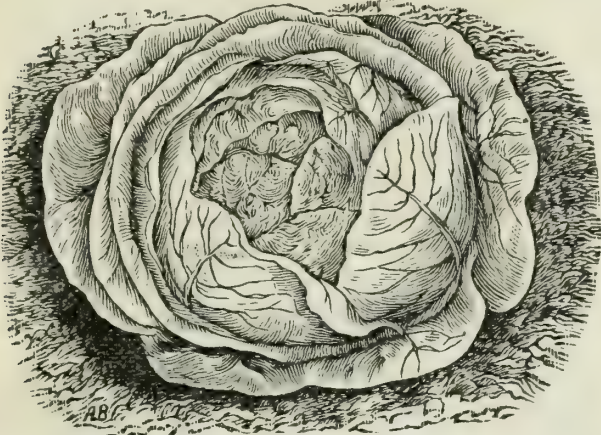
BIG BOSTON.—A new variety, of good quality, very highly recommended by those who have tried it.

Pkts. 5 and 10 cts., oz. 20 cts., 1-lb. 40 cts., lb. \$1.25.

LETTUCE.—Continued.

BALTIMORE CABBAGE.—Introduced by us three years ago, and pronounced by a number of growers to be the finest heading Lettuce they have ever seen. It is constantly gaining friends not only in Baltimore, but in Philadelphia and other places. See description page 6.

Pkts. 5 and 10 cts., oz. 20 cts., ½-lb. 50 cts. lb. \$1.50.



WHITE LOAF.—This is so well-known to Truckers and Gardeners around Baltimore and Norfolk that for them it scarcely needs description. For the benefit of those who are not acquainted with it, would say it makes large compact heads, is of beautiful light green color, very tender, and, while unsurpassed for frames, is a good out-door sort.

Pkts. 5 and 10 cts., oz. 15 cts., ½-lb. 25 cts. lb. 90 cts.

GRAND RAPIDS.—This variety originated at Grand Rapids, Mich., where it is largely grown for shipment to distant points, and is considered by many the best loose-headed Lettuce for forcing under glass. Leaves medium size, of light, yellowish green color, much crimped and frilled, thin, but of very upright growth; crisp, tender and of good quality. Owing to its upright habit it may be planted very closely. It is of extremely rapid growth; very little liable to rot; will stand without spoiling a week to ten days after it is fit to cut, and retains its freshness a long time after cutting.

Pkt. 5 cts., oz. 15 cts., ½-lb. 30 cts., lb. \$1.00.

BOSTON MARKET.—White seed. A celebrated variety in New England, of good heading habit, small, early and compact; quite desirable.

Pkts. 5 and 10 cts., oz. 15 cts., ½-lb. 30 cts. lb. \$1.00.

ROYAL CABBAGE.

Oz. 15 cts., ½-lb. 30 cts., lb. \$1.00.

HANSON.—A variation of the India, forming a half-closed head.

Pkts. 5 and 10 cts., oz. 15 cts., ½-lb. 30 cts. lb. 90 cts.



PARIS WHITE COS.—Differs entirely in shape from the other varieties, the head being elongated and of conical form, eight or nine inches in height, and five or six inches in diameter. The outer coloring of this variety is yellowish green. It is very hardy and of good flavor. To blanch perfectly it must be tied up. It is the great favorite of the London market. Try it.

Pkt. 5 cts., oz. 15 cts., ½-lb. 30 cts., lb. \$1.00.

MELON CANTELOUPE.

German, Melone.

(One ounce of seed to 50 hills.)

Sow about the last of spring or first of summer, in hills of light, rich, sandy soil, four feet apart, allowing but three plants to grow in each hill; after they have grown about a foot long, pinch off the points of shoots, which causes the vines not only to become stronger, but makes them produce lateral branches and prove more productive and mature earlier. It should not be grown near Squashes, Cucumbers or Pumpkins, as the flavor will be affected in consequence.

BALTIMORE NUTMEG.—Well known and extensively used for years by many of the largest growers all over the country. It has attained greater popularity than any Canteloupe ever introduced. Large, thick, green, sweet flesh; fine flavor and an excellent shipper.

Pkts. 5 and 10 cts., ½-lb. 15 cts., lb. 40 cts.



EXTRA EARLY HACKENSACK.—Netted, green flesh and excellent; very showy market variety and an excellent keeper; ten days earlier than the Old Hackensack.

Pkts. 5 and 10 cts., ½-lb. 15 cts., lb. 40 cts.

SOUTHERN BEAUTY.—New. See description, page 5.

Pkt. 5 cts., oz. 10 cts., ½-lb. 30 cts., lb. \$1.00., 5 lbs. \$4.00.

EARLY NETTED GEM.—Extensively grown, and many prefer it to all others for table use. Shape almost a perfect globe, and grows remarkably uniform; thick-meated; flesh light green in color and of fine, luscious flavor; skin green, regularly ribbed and thickly netted; very productive and extra early in ripening; will keep for nearly a week after picking, and is especially suited for shipping in baskets or crates.

Pkts. 5 and 10 cts., ½-lb. 15 cts., lb. 40 cts.

ANNE ARUNDEL.—This handsome Melon has been grown by a number of leading shippers in Anne Arundel Co., Md., for several years, and is growing in favor because of its many good qualities. It is very large, nearly round, deeply netted and of good flavor. A wagon load of them at once attracts the buyer's attention, and when piled up on a market stall they are irresistible. No large grower's stock is complete without this superb Melon.

Pkts. 5 and 10 cts., ½-lb. 15 cts., lb. 40 cts.

IMPROVED JENNY LIND.—A small, early variety of surpassing good quality, highly recommended for family garden. We consider this the most delicious Canteloupe we have ever eaten, and while the fruit is small, it is an abundant bearer. A market gardener having this sort for sale would in a short time have no difficulty in disposing of all he could raise.

Pkt. 5 cts., oz. 10 cts., ½-lb. 20 cts., lb. 50 cts.

EMERALD GEM.—Meat salmon color, exceedingly sweet and delicious; very early and prolific. One of the best for family use. Its appearance is not attractive, but try it and you will want it again.

Pkt. 5 cts., oz. 10 cts., ½-lb. 20 cts., lb. 50 cts.

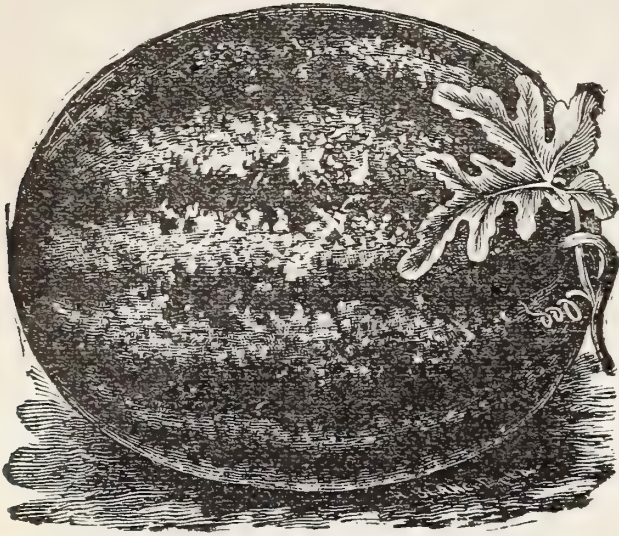
PERFECTED—DELMONICO.—This is one of the best of the red flesh sort; the flesh is a deep rich orange color of very fine grain and of delicate and delightful flavor.

Pkt. 5 cts., oz. 10 cts., ½-lb. 20 cts., lb. 50 cts.

WATERMELON.**German, Wasser-Melone.**

(one ounce of seed to thirty hills.)

Watermelons require a rich, sandy soil for best development. Cultivate the same as for canteloupes, except that the hills should be eight to ten feet apart.



KOLB'S GEM.—This is one of the largest, most productive, best keeping and best shipping Melons grown. Sells readily at the highest market price. In fact, it is so well known that it speaks for itself. Our stock of this comes direct from the original grower. Special prices on large quantities.

Pkt. 5 cts. Oz. 10 cts. ¼ lb. 15 cts. 1b. 30 cts.

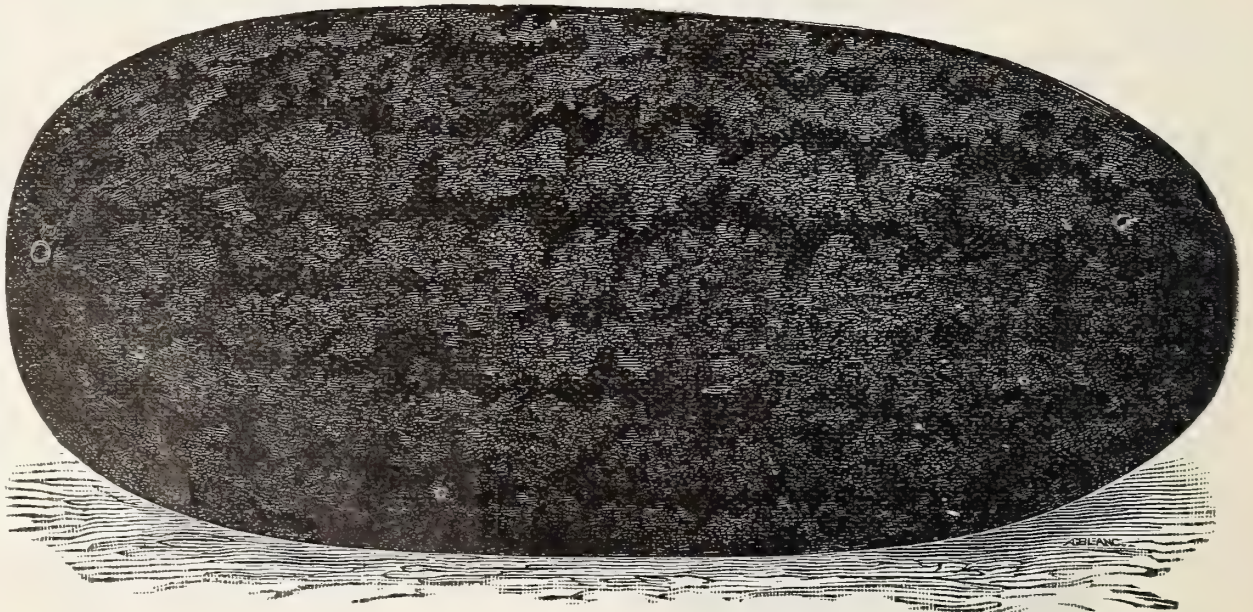
DUKE JONES.—A new sort, which the grower claims to be the best ever introduced. (See description page 5.)

Pkt. 5 and 10 cts. ¼ lb. 20 cts. 1b. 40 cts.

THE JONES.—This is a splendid Melon. The color of the skin is solid green, and the flesh is a very bright red, particularly sweet, juicy and melting. It grows to a large size, frequently attaining the weight of eighty pounds. In shape it resembles Kolb's Gem, and, like that variety, is one of the best shipping sorts.

Pkt. 5 cts. Oz. 10 cts. ¼ lb. 15 cts. 1b. 35 cts.

We wish to call special attention to this splendid and delicious melon. It is early, very large, of oblong shape, and the flesh is of handsome crimson color, deliciously sweet, and extending close up to the rind. It has a thin, hard rind, beautifully mottled, light and dark green. Its perfect shape, faultless color, fine texture and excellent flavor combine to make it one of the very best melons that grows. It is a good shipper, and beats all others as a seller.



Pkt. 5 cts. Oz. 10 cts. ¼ lb. 20 cts. 1b. 60 cts.

DARK ICING.—This variety grows to medium size, averaging in weight from twenty-five to thirty pounds, although we have known them to reach fifty pounds. The skin is dark green and firm. The flesh is a deep rich scarlet, of delicious flavor; it is one of the best shipping and carrying melons grown.

Pkt. 5 cts. Oz. 10 cts. ¼ lb. 15 cts. 1b. 40 cts.

LIGHT ICING.—Light green mottled, very large; flesh deep red, splendid quality; one of the largest and finest melons.

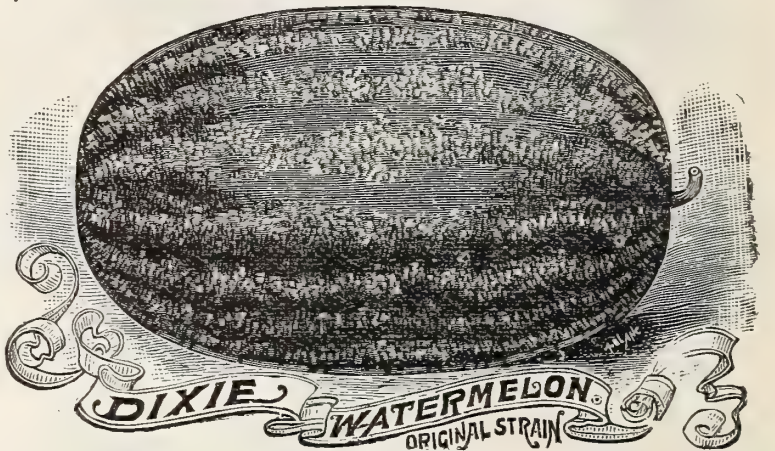
Pkt. 5 and 10 cts. ¼ lb. 15 cts. 1b. 40 cts.

FLORIDA FAVORITE.—This we consider the richest and sweetest flavored melon grown, of medium size and prolific. The best of all for family garden. It is now very popular with the truckers and melon growers of Maryland and Virginia, and sells readily in the Baltimore market.

Pkt. 5 and 10 cts. ¼ lb. 15 cts. 1b. 40 cts.

GIRARDEAU'S FAVORITE.—This is an improvement on the Florida Favorite, resembling it very much, but larger.

Pkt. 5 cts. Oz. 10 cts. ¼ lb. 20 cts. 1b. 50 cts.



DIXIE.—This new melon came to us with the highest recommendations as to its productive and shipping qualities, and our experience with it has fully borne out all that was claimed for it. Its eating quality is equal to the best. It is earlier and larger than the well-known and popular Kolb-Gem, and in color a darker green, with beautiful stripes, making it one of the handsomest Melons on the market. Flesh, deep red, sugary and melting.

Pkt. 5 and 10 cts. ¼ lb. 15 cts. 1b. 30 cts.

LORD BALTIMORE WATERMELON.

RATTLE SNAKE.—Large, oblong, striped and mottled; flesh, bright red; a good shipper; a favorite variety in the South.

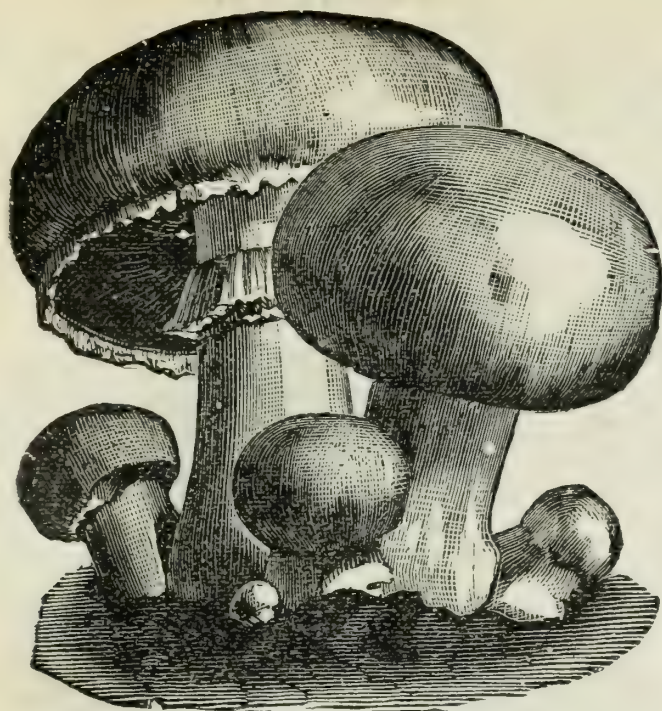
Pkt. 5 and 10 cts. ¼ lb. 15 cts. 1b. 40 cts.

CITRON.

Used in preserving.

Pkt. 5 cts. Oz. 10 cts. ¼ lb. 25 cts.

SPECIAL PRICES TO GARDENERS AND FARMERS, IN LARGE QUANTITIES.



MUSHROOMS.

Mushrooms can be readily grown in cellars, stables, sheds or pits. Many are successfully grown on a shelf in an ordinary cellar, and yield sufficient crops to compensate the grower for his effort. The space under greenhouse benches or stagings will suit them exactly, using materials in same manner as described.

CULTIVATION.

The cultivation of the Mushroom is a very simple matter, and requires only ordinary intelligence and care. The materials needed are fresh horse manure, good soil and live spawn. The manure should not be too short, as it does not combine the necessary qualities. Long strawy litter, plentifully mixed with short manure, makes by far the best beds, as it does not heat too violently, decomposes slowly and retains its heat for a long period.

MUSHROOM CULTIVATION—Continued.

Put in a heap and turn every three or four days to permit the escape of noxious gases and prevent burning. When ready for use it should be as hot as can be borne comfortably by the hand, and should also be moist. Make the beds three feet wide at the base, two and a half feet high, and of any desired length. The manure, when in proper condition, should be quickly handled to prevent the loss of heat and be beaten down to make the heap firm and compact, and cover with long litter. The bed should within a few days warm to a temperature of 110° to 120°. Never spawn a bed when the heat is rising, but always on the decline and under 90°. Have a ground thermometer and keep it plunged in the bed; by pulling it out and looking at it you can ascertain exactly the temperature of the bed, should the temperature not exceed 100° or 110° no alarm need be felt, for if the manure was fresh it will likely produce a good crop. When the heat has decreased to 90°, the bed is ready to receive the spawn, which is done by raising the manure with the hand and inserting pieces of spawn two inches square and nine inches apart each way. At the expiration of a few days the bed may be covered with soil to the depth of about two inches. If in closed cellar or mushroom house wait about 10 days, but if in open shed 5 days will do. If the soil is poor add a liberal quantity of bone meal.

Best English Spawn, 12 cts. per lb. 10 lbs. for \$1.00. 100 lbs. for \$7.00.

MUSTARD SEED.

Pkt., 5 cts. ¼ lb., 10 cts. Lb., 25 cts.

NASTURTIUM.

Plant in May the climbing varieties to cover arbor or fence, and the Dwarf for beds or hanging baskets. The leaves are used for salad, and the seeds, when soft enough to be penetrated by the nail, for pickles.

TALL.—Pkt. 5 cts. Oz. 10 cts. ¼ lb. 25 cts. Lb. 75 cts.

DWARF.—Pkt. 5 cts. Oz. 15 cts. ¼ lb. 35 cts. Lb. \$1.25.

ONIONS.

To grow large Onions from Seed.—The seed should be sown as early as possible in the Spring, as they grow much better during the cool weather and should make most of their growth before the hot weather sets in. Sow five pounds of seed to the acre for large onions.

The New Onion Culture.—Sow the seed in hot-bed, and transplant as early as possible to open ground; they can be grown very successfully by this plan.

For Sets.—Have a clean and very rich soil which should be thoroughly cultivated, or it will not do well enough to pay for the trouble. The most successful growers work their ground several times in the Fall to kill out the weeds, and get ground in nice condition. Use well rotted manure freely, and be sure to get the seeds in as early as possible in the Spring, no matter if it is ever so cold or unpleasant, and keep the soil mellow and clear of weeds, and if seed is good you will have a large crop of onion sets. On no other condition can you hope for success. Disturb the roots of the Onion as little as possible, either in thinning or hoeing, and never hoe earth towards them to cover or hill, as we do most other things.

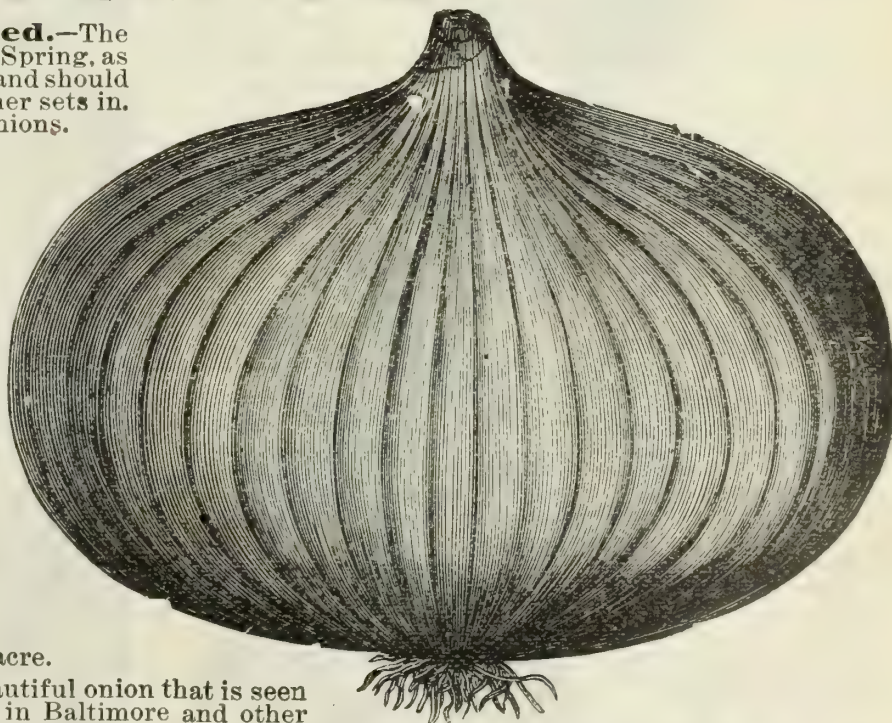
Sow the seed in drills about 12 inches apart. It will require from 40 to 60 lbs. to sow an acre.

PRIZETAKER.—This is the large, beautiful onion that is seen every Fall offered for sale at the fruit stores in Baltimore and other large cities. They are a rich straw color and of enormous size. Although of such large size it is very hardy and an excellent keeper. See description page 7.

Pkt. 5 cts. Oz. 15 cts. ¼ lb. 40 cts. Lb. \$1.25.

AMERICAN EXTRA EARLY WHITE PEARL.—Earliest of all, growing with all the rapidity of a summer radish. Pearly white, waxy and transparent. Form flat and broad, flavor very mild and it can be eaten raw almost like an apple. On rich soil it will grow very large. This is an elegant sort to sow for large onions, because of its rapid growth and fine quality.

Pkt. 5 & 10 cts. Oz. 15 cts. ¼ lb. 40 cts. Lb. \$1.25.



WHITE SILVER SKIN.

WHITE SILVER SKIN.—White, mild flavored and a good keeper. The best white onion to grow in quantities for sets.

Pkt. 10 cts. Oz. 20 cts. ¼ lb. 50 cts. Lb. \$1.50.

EXTRA EARLY RED.—Onions of fit size for table use may be raised from the black seed the first season

Pkts. 5 & 10 cts. Oz. 15 cts. ¼ lb. 30 cts. Lb. \$1.00.

ONIONS.—Continued.

WHITE PORTUGAL.—Pkts. 5 and 10 cts. Oz. 20 cts. $\frac{1}{4}$ lb. 50 cts. Lb. \$1.40.

SOUTHPORT WHITE GLOBE.—A large showy variety.

Pkts. 5 and 10 cts. Oz. 20 cts. $\frac{1}{4}$ lb. 50 cts. Lb. \$1.50.

LARGE RED WETHERSFIELD.—An old, well-known and favorite sort. A large yielder and good keeper.

Pkt. 5 cts. Oz. 10 cts. $\frac{1}{4}$ lb. 30 cts. Lb. 90 cts.

LARGE YELLOW DUTCH OR STRASBURG.—Very fine, a good keeper; the kind used very largely by those who grow onion sets for market.

Pkt. 5 cts. Oz. 10 cts. $\frac{1}{4}$ lb. 25 cts. Lb. 75 cts. 5 lbs. \$3.00.

YELLOW GLOBE DANVERS.—A very handsome round yellow onion, a large yielder and splendid keeper, the preferred sort with market gardeners and large growers all over the country. We unhesitatingly recommend it for growing either sets or large onions.

Pkt. 5 cts. Oz. 10 cts. $\frac{1}{4}$ lb. 25 cts. Lb. 85 cts.

YELLOW DANVERS.—Oz. 10 cts. $\frac{1}{4}$ lb. 25 cts. Lb. 75 cts. 5 lbs. \$3.00.

**ONION SETS.**

White, Qt. 15 cts.

Yellow, Qt. 15 cts.

If wanted by mail add 10 cents per quart to pay postage. By the bushel, at market prices.

WRITE US FOR QUOTATIONS BY THE BUSHEL.

Special Prices for Onion Seed in Quantity.

OKRA OR CUMBO.

Select warm location and rich soil and plant when the ground becomes warm, in rows three feet apart, thinning plants a foot apart in the row. As the seed are liable to rot in cool weather, they should be sown thickly. The pods are used to thicken soup, being gathered when young. It is one of the most wholesome vegetables in use.

DWARF PROLIFIC.—Of dwarf habit and an abundant bearer, the best sort in use.

Pkts. 5 and 10 cts. $\frac{1}{4}$ lb. 15 cts. Lb. 40 cts.

WHITE VELVET.—It is very distinct and the pods are perfectly round, smooth, of an attractive white velvet appearance, and of superior flavor and tenderness. The pods are of extra large size and produced in great abundance.

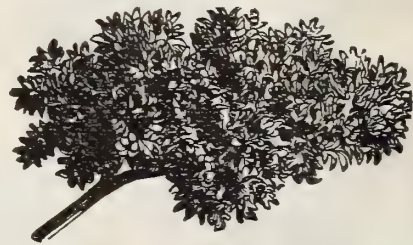
Pkt. 5 cts. Oz. 10 cts. $\frac{1}{4}$ lb. 20 cts. Lb. 50 cts.

**PARSLEY.**

Select rich soil; sow the seed in drills one foot apart, covering half an inch deep. It would be well to firm the soil with the foot after sowing the seed. As the seed is usually from fifteen to twenty-five days in vegetating, it will be necessary to sow early. Thin plants to four inches apart when two inches high. The beauty of the plant may be increased by several successive transplantings. It is used principally for flavoring soups, etc., and for garnishing in its natural state.

MOSS CURLED.—A very select crimped variety.

Pkt. 5 cts. Oz. 10 cts. $\frac{1}{4}$ lb. 20 cts. Lb. 60 cts.



TRIPLE CURLED.—The most beautiful and valuable variety in use. Of a handsome, bright green color, finely crimped and beautifully curled.

Pkt. 5 cts. Oz. 10 cts. $\frac{1}{4}$ lb. 20 cts. Lb. 50 cts.

PARSNIPS.

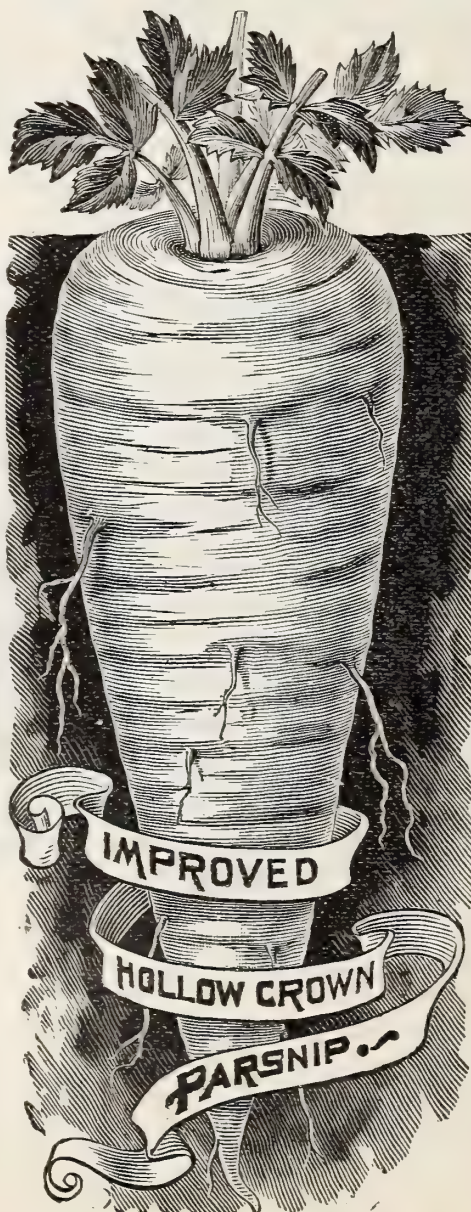
The Parsnip will flourish best and give the longest, largest and smoothest roots in a very deep, rich soil—one that has been made rich from manure the previous year. *Fresh manure makes the roots somewhat illshaped.* Sow as early in the spring as the ground can be made ready, pretty thickly in drills from twelve to eighteen inches apart, and about an inch deep. Thin the plants to five or six inches apart.

HOLLOW, CROWN, or SUGAR.

The Hollow Crown is superior in quality to all other varieties, and the preferred kind with Baltimore gardeners; the roots are smooth, tender, handsome shape and early. We have the finest stock of Hollow Crown Parsnips that we know of in this country.

Pkt. 5 and 10 cts. $\frac{1}{4}$ lb. 15 cts.

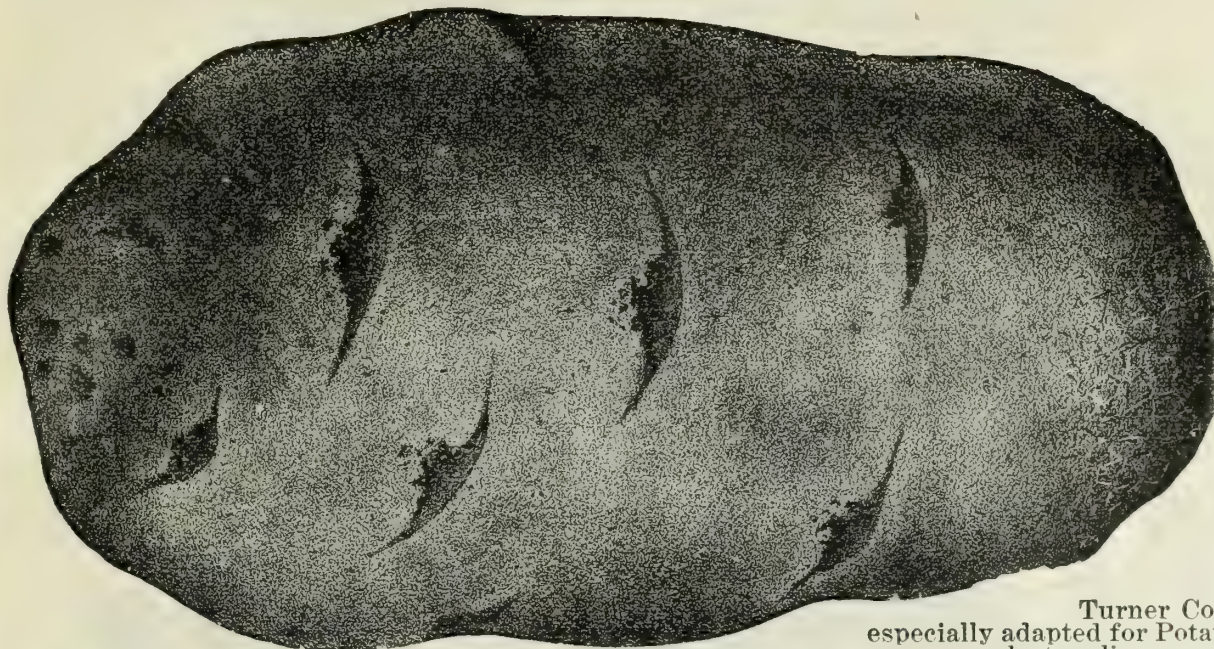
Lb. 40 cts.



We offer only the best Northern grown Seed Potatoes on this page, and at moderate prices, considering the quality of the stock we offer; if wanted in large quantities write for quotations.

POTATOES.

German, Kartoffel.



The soil best suited to the Potato is a rich sandy loam, but it seems to thrive in almost any soil or climate. The potato being a gross feeder, requires a liberal application of manure; if stable manure is to be used, it should be well rotted, and not allowed to come in contact with the tubers. On no other crop are the results from the use of phosphates so manifest as on the potato; almost invariably the tubers are smoother, brighter and freer from rust and the destructive influence of wire worms. Griffith &

Turner Co.'s **Plant Food** is especially adapted for Potatoes. The best fertilizers are plaster, lime, super-phosphate of lime

and bone dust, for heavy and wet soils especially, as they promote growth and at the same time prevent disease. Plant as early in the spring as the ground can be thoroughly worked, in rows 3 to 4 feet apart and one foot in the rows; covering in light warm soil about 4 inches, and in cold wet ground 3 inches deep; draw the earth to the plants as they advance in growth. If an early crop is desired, sprout the tubers, or cut potatoes, in a light, warm room, from four to six weeks before planting, then lift carefully and plant out; by this process shoots are obtained that, as soon as planted out in the open ground, will send out roots, and grow more rapidly than if treated in the ordinary way. The soil should be constantly stirred through the season to prevent the surface from baking.

G., T. & CO.'S EXTRA EARLY PRIZE.

—This new Potato which we tried last year is in all respects a very superior early sort. It proved to be the earliest and most productive of any we tried, also found its eating qualities first-class. We consider it the best early potato on the market to-day.

Pk. 50 cts. Bu. \$1.50. Bbl. \$3.25.

EARLY NORTHER.—This superb Potato originated at Caribou, Maine. It resembles the Early Rose in shape and color, matures earlier than the Rose, and is much more productive. Under our own observation the past season it yielded 50 per cent. more than the Rose, matured earlier, and was in all respects superior.

Pk. 50 cts. Bu. \$1.25. Bbl. \$3.00.

BROWNELL'S WINNER POTATO.

This fine new potato is a very desirable addition to our list. It is medium early, medium long, flattened oval in shape; in color of skin similar to Early Rose, but not so dark; eyes slightly depressed, and in most specimens showing a slight pink color in the depth of the eye. A smooth, handsome potato of good form and excellent cooking qualities.

Pk. 40 cts. Bu. \$1.00. Bbl. \$2.50.

BLISS TRIUMPH.—This beautiful variety combines the wonderful productiveness of the Peerless with all the good qualities of the Early Rose, is much more productive, and matures its crop at least a week in advance of the Early Rose. Tubers are of medium size, round and uniform in shape, with but a very few small ones; eyes slightly depressed; color a beautiful light red. Its great beauty, productiveness and fine quality make it one of the best market varieties.

Pk. 50 cts. Bu. \$1.25. Bbl. \$3.00.

EARLY OHIO.—This is very early and productive, of fine quality and an excellent keeper.

Pk. 50 cts. Bu. \$1.25. Bbl. \$3.00.

MAINE OR HOULTON EARLY ROSE.

The Early Rose led the list for over 30 years, and is to-day one of the best early market potatoes. Our stock of this is grown on new land, near Houlton, Me., is rugged and pure and produces as good crops as those which made the Early Rose famous in its early years. Remember that this stock is not to be confounded with the old run-out Rose, grown in other sections.

Pk. 40 cts. Bu. \$1.00. Bbl. \$2.50.

NEW YORK EARLY ROSE.—A leading variety for earliness, quality and productiveness.

At Market Prices.

NEW QUEEN.—A grand potato of recent introduction, closely resembling Beauty of Hebron in appearance, color, size and shape, but is seven to ten days earlier, and a heavy yielder. Our seed of this variety comes from Maine, where it originated, and is pure and true to name.

Pk. 50 cts. Bu. \$1.25. Bbl. \$3.00.

THE FREEMAN POTATO.—This new extra early variety was introduced four years since under the claim of being the greatest potato introduced since the Early Rose. It has made a wonderful record, giving enormous yields in all sections where grown. It is of handsome shape, with beautiful russet skin, and is fully equal to the old Snowflake in eating qualities. It will pay every market gardener to plant the Freeman. Our crop is grown from select stock, and will be found pure and genuine.

Pk. 50 cts. Bu. \$1.25. Bbl. \$3.00.

MAINE BURBANK.—This is an old and reliable variety, and is A No. 1 for a late, large-yielding, good-keeping potato, and for table use, after January 1st, is one of the best.

Pk. 40 cts. Bu. \$1.00. Bbl. \$2.50.

NEW YORK BURBANK.—At Market Prices.

NOTE.—Prices of Potatoes are subject to market changes. Potatoes are forwarded by express or freight as directed, purchaser paying charges. We use our discretion in regard to time of shipment, as frequently when orders are received, the weather for a week at a time will not permit safe delivery. We assume no risk on Potatoes. They are forwarded strictly at purchaser's risk.

SWEET POTATOES.

Choice Jersey Sweets at market prices during season. Write us for quotations.

PEAS.

NOTICE.—In ordering Peas to be sent by mail, please add 8 cts. per pint to pay postage.

The dwarf varieties should be liberally manured; the tall sorts will run too much to vine if heavily manured, it being better to depend on the richness of the land that was previously in good condition. Plant the dwarf in rows two feet apart; those varieties attaining the height of from two to three feet, in rows three feet apart, and the rows of the tallest sort four feet apart. Bush the tall kind when six inches high, or poles set every six or eight feet, with twine fastened to them about four inches apart, answer finely.

FIRST EARLY PEAS.

This is the earliest of all, and the most profitable early market Pea, because of its early maturity, uniformity of growth and ripening, and its productiveness. It ripens up so evenly as only to require about two pickings to secure the crop. It is grown from selected stock, under our own supervision, and the greatest care is exercised to keep it up to the highest standard of quality. It is a great favorite with the Truckers, and is largely used by private families. Our sales of this sort increase annually.

Pt. 15 cts. Qt. 25 cts. Pk. 75 cts. Bu. \$2.75



EXTRA EARLY DWARF.

These varieties require no sticking.

AMERICAN WONDER.—Very luscious in flavor. Try it; height 12 inches. The earliest wrinkled Pea, very productive and sweet. Better suited to the private than to the market garden.

Pt. 15 cts. Qt. 25 cts. Pk. \$1.10. Bu. \$4.00.

PREMIUM GEM.—Height 15 inches. An improvement upon the Little Gem. A splendid wrinkled dwarf Pea, very luscious in flavor. Try it.

Qt. 20 cts. Pk. 85 cts. Bu. \$3.00.

BLUE PETER, or BLUE TOM THUMB.—One of the earliest and hardiest of the dwarf varieties, blue seed, dark green pods, large Peas, of excellent quality; much superior to the White Tom Thumb.

Pt. 10 cts. Qt. 20 cts. Pk. \$1.15. Bu. \$4.00.

NOTT'S EXCELSIOR.—A splendid new variety. See description, page 3.

Pt. 15 cts. Qt. 30 cts. Pk. \$1.25. Bu. \$4.50.

Extra Early Medium Height.

RURAL NEW YORKER.—Height 2½ feet. In maturity it is among the first early.

Qt. 20 cts. Pk. 75 cts. Bu. \$2.50.

FIRST AND BEST.—Height 2½ feet. Grown with special care; one of the early varieties.

Qt. 20 cts. Pk. 65 cts. Bu. \$2.25.

ALASKA (Sealed Stock).—Height 26 inches. The earliest Blue Pea; very uniform in growth and time of ripening; the dark green color of pods make this a most desirable sort for canners and shippers, as it can be carried long distances without losing color.

Qt. 20 cts. Pk. 75 cts. Bu. \$2.75.

ALASKA (Unsealed).—Such stock as is usually sold. **Pk. 60 cts. Bu. \$2.25.**

DEXTER (Genuine Stock).—Qt. 20 cts. **Pk. 75 cts. Bu. \$2.75.**

TRIUMPH.—Qt. 20 cts. **Pk. 60 cts. Bu. \$2.00.**

Second Early and Late Varieties.

PRIDE OF THE MARKET.—A medium early dwarf Pea of vigorous habit and very productive. The pods are large, of a medium green color, and contain 7 to 9 peas of fine quality. 1½ feet.

Pt. 15 cts. Qt. 25 cts. Pk. \$1.25. Bu. \$4.50.

YORKSHIRE HERO.—Height 2½ feet. A wrinkled variety, productive and of a very superior flavor.

Qt. 20 cts. Pk. 75 cts. Bu. \$3.00.

ADVANCER.—Height 2½ feet. A green wrinkled variety, introduced some years ago and has always given satisfaction. **Qt. 20 cts. Pk. 75 cts. Bu. \$2.50**

ABUNDANCE.—Height 30 to 36 inches. An excellent half dwarf, medium early, wrinkled variety, pods three and a half inches long, containing six to eight large peas of excellent quality.

Qt. 20 cts. Pk. 75 cts. Bu. \$2.50.

PACKERS CHOICE PEA.—This is a second early green wrinkled marrow Pea, which we think is destined to take a leading place with the packers and growers. It is medium early, a very profuse bearer, large well filled pods and quite uniform in appearance, grows about three feet high; the berry is wrinkled and green in color, which makes it very desirable as a canning Pea.

Pk. \$1.00. Bu. \$3.50.

SPECIAL PRICES TO GARDENERS AND FARMERS, IN LARGE QUANTITIES.

PEAS.—Continued.



GARDENER'S FAVORITE.—Height, 30 to 36 inches. A wrinkled variety named and introduced by us, and which is constantly gaining friends; of most delicious flavor, prolific bearer, specially suited for the market garden trade. It is also attracting considerable attention with some of our leading canners, as when packed they find the quality to be superior to any other sort.

Pt. 10 cts. Qt. 20 cts. Pk. \$1.00. Bu. \$3.50.

FRENCH CANNER.—Height, 3½ feet. The celebrated Pea used in France by the canners. It is wonderfully prolific, bearing an abundance of long pods containing seven to nine Peas of excellent flavor.

Qt. 20 cts. Pk. 60 cts. Bu. \$2.00.

THE ADMIRAL.—A very desirable new variety, medium early and very productive, and of good flavor.

Qt. 20 cts. Pk. 75 cts. Bu. \$2.50.

HEROINE.—A medium early green wrinkled Pea, and one of the best of recent introduction; large, recurved, showy pods; an immense cropper; peas of finest quality; height, 2 to 2½ feet.

Pt. 10 cts. Qt. 20 cts. Pk. \$1.00. Bu. \$3.50.

SHROPSHIRE HERO.—A grand new second early wrinkled Pea, producing long, handsome, well-filled pods in great abundance; height, 2½ feet.

Pt. 10 cts. Qt. 20 cts. Pk. \$1.00. Bu. \$3.50.

EVERBEARING.—Vines about two feet high, of a branching character, forming as many as ten stalks from a single root stalk. Peas large and of fine quality.

Qt. 20 cts. Pk. 80 cts. Bu. \$3.00.

STRATAGEM.—Height, 2½ feet. A large wrinkled Blue Pea of excellent quality: very long, large filled pods; one of the best.

Qt. 20 cts. Pk. \$1.25. Bu. \$4.50.

IMPROVED STRATAGEM.—More regular in its growth than the ordinary Stratagem, and every way superior.

Qt. 25 cts. Pk. \$1.50.

HORSFORD'S MARKET GARDEN.—Height, 2½ feet. A medium early wrinkled variety, highly recommended.

Qt. 20 cts. Pk. 85 cts. Bu. \$3.00.

CHAMPION OF ENGLAND.—Height, 4 feet. An old favorite, rich flavored and very productive.

Qt. 20 cts. Pk. 75 cts. Bu. \$2.50.

FORTY FOLD.—An improvement on the Champion of England.

Qt. 20 cts. Pk. 75 cts. Bu. \$2.75.

TELEPHONE.—Height, 3 to 4 feet. Large wrinkled seeds; pods large and well filled.

Qt. 20 cts. Pk. \$1.00. Bu. \$3.50.

TELEGRAPH.—Resembles the Telephone in every respect, except they are a deeper shade of green. Pods are very attractive in appearance.

Pt. 15 cts. Qt. 25 cts. Pk. \$1.00. Bu. \$3.75.

GRIFFITH'S CANNING.—This new Pea which we introduced last year is unsurpassed for canning purposes. It is medium early, with a vigorous vine,

bearing a great profusion of pods closely packed with Peas of excellent flavor. The small size and fine flavor of the Pea, in addition to its great productiveness, makes it specially desirable for canners. One canner took two bushels on trial last year, and has ordered fifty bushel for this season; height, 3½ feet.

Qt. 20 cts. Pk. \$1.00. Bu. \$3.50.

DWARF WHITE MARROWFAT.—Best stock. Height, 3½ to 4 feet. Standard market variety,

Pt. 10 cts. Qt. 15 cts. Pk. 50 cts. Bu. \$1.75.

IMPROVED SUGAR MARROWS.—Height, 3½ feet. Grows a strong vine, bears in abundance large, filled pods. The truckers' favorite; have never been able to get enough to fill our orders.

Qt. 20 cts. Pk. 75 cts. Bu. \$2.50.

MELTING SUGAR—Edible Pods.—This new variety is ahead of all other Sugar Peas, not only in size of pod and prolific bearing, but also for its delicious flavor. It grows to the height of five feet, bears a profusion of very large, broad, handsome, light green (nearly white) pods, which are generally found in pairs, and are so brittle that they snap without any strings. Sweet and tender, and is cooked like wax beans.

Pt. 15 cts. Qt. 30 cts.

TALL GREY SUGAR.—Edible pods; cooked in the pods same as Snap Bean.

Pt. 15 cts. Qt. 30 cts.

PEPPER.

Capsicum or Pepper, is cultivated mainly for Pickles. It is used as a seasoning in many ways, and sometimes medicinally. Sow the seed early in a hot-bed, if possible; if not, select a warm place in the garden for the seed bed and sow as soon as the soil is warm. Transplant when three or four inches high, in rows 18 inches apart.

CAYENNE.—Small, long and tapering, very hot, best for seasoning pickles.

Pkt. 5 and 10 cts. Oz. 20 cts. ¼ lb. 50 cts.

LARGE SWEET SPANISH, or MOUNTAIN.—Very large and excellent for Mangoes or Stuffed Pickles.

Pkt. 5 and 10 cts. Oz. 20 cts. ¼ lb. 50 cts. 1 lb. \$1.50.

BULL NOSE or BELL.—Good for pickling, very hot.

Pkt. 5 and 10 cts. Oz. 25 cts. ¼ lb. 50 cts. 1 lb. \$1.50.

RUBY KING.—An excellent sort of large size and mild flavor.

Pkt. 5 and 10 cts. Oz. 25 cts. ¼ lb. 75 cts.

GOLDEN QUEEN.—In shape and size similar to Bull Nose, and of mild flavor, color yellow.

Pkt. 5 and 10 cts. Oz. 25 cts. ¼ lb. 70 cts.

RED CHERRY.—Pkts. 5 & 10 c. Oz. 20c.

PUMPKIN.

Plant in May, in hills eight feet apart. Allot ten seeds to each hill, as bugs often destroy the young plants, but only allow two or three healthy plants to remain in each hill. They are usually planted in fields with corn or potatoes.

MARYLAND SWEET POTATO.

This is the best table Pumpkin in cultivation; in shape and size it somewhat resembles the Cashaw, but much more beautiful in color, being a handsome green and white stripe. The flesh is a rich yellow color, solid, fine grained, very thick, flavor delicious.

Pkt. 5 and 10 cts. ¼ lb. 20 cts. 1 lb. 60 cts.



PUMPKIN.—Continued.

TENNESSEE SWEET POTATO.—A splendid pie and cooking pumpkin. They grow pear-shaped to medium size, slightly ribbed; skin is a creamy white, lightly striped with green; flesh very thick, creamy white, dry and fine grained, keeping well until late in the spring; when cooked resembles sweet potatoes, but much more delicious in taste. The vines are hardy and enormously productive.

Pkts. 5 and 10 cts. $\frac{1}{4}$ lb. 15 cts. Lb. 40 cts.

LARGE CHEESE.—Skin reddish orange, flesh thick, fine and sweet.

Pkt. 5 cts. Oz. 10 cts. $\frac{1}{4}$ lb. 20 cts. Lb. 50 cts.

CASHAW or CROOKNECK.—Solid flesh, fine and sweet, keeps well.

Pkt. 5 cts. Oz. 10 cts. $\frac{1}{4}$ lb. 20 cts. Lb. 50 cts.

CONNECTICUT FIELD.—Very productive, and grown for feeding stock. It is so well known that it does not need description.

Pint 10 cts. Qt. 15 cts. Lb. 20 cts. 5 lbs. 75 cts

RADISH.

For an early supply sow in hot-bed, in February. For a successive supply sow from middle of March to September. Radishes thrive best in a light, rich, sandy loam.

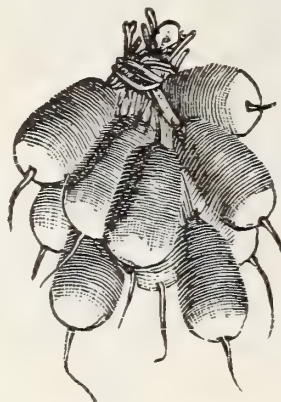
The Radish must make a rapid growth to be fit for use; it will then be crisp and tender and of a mild flavor. If it grows slowly, it will be hard, fibrous and disagreeably pungent.

WHITE VIENNA or LADY-FINGER RADISH.—This is unquestionably the finest long white Radish. Of most handsome shape; in color is a beautiful snow white. It is of very rapid growth, and remarkably crisp, brittle and tender, equally desirable for the market or home garden.

Pkt. 5 cts. Oz. 10 cts. $\frac{1}{4}$ lb. 20 cts. Lb. 50 cts.



SCARLET PRUSSIAN GLOBE
RADISH.



FRENCH BREAKFAST.

EARLY SCARLET or PRUSSIAN GLOBE.—The most handsome and best forcing Radish we have. A new sort and very choice, root round and crimson colored, early, very attractive and desirable.

Pkt. 5 cts. Oz. 10 cts. $\frac{1}{4}$ lb. 20 cts. Lb. 50 cts.

EARLIEST WHITE TURNIP.—Very forcing. This and the Red Turnip bunch together very nicely.

Pkts. 5 and 10 cts. $\frac{1}{4}$ lb. 15 cts. Lb. 50 cts.

EARLIEST RED TURNIP.—Turnip-shaped, skin red; for forcing.

Pkt. 5 cts. $\frac{1}{4}$ lb. 15 cts. Lb. 40 cts.

WHITE TIP SCARLET TURNIP.—Red skin, fine flavor, very pretty.

Pkts. 5 and 10 cts. $\frac{1}{4}$ lb. 15 cts. Lb. 40 cts.

FRENCH BREAKFAST.—Of oval form, color scarlet, white tipped.

Pkt. 5 cts. Oz. 10 cts. $\frac{1}{4}$ lb. 20 cts. Lb. 50 cts.

LONG SCARLET AMERICAN.—Short top, deep scarlet roots, crisp, fine.

Pkt. 5 cts. Oz. 10 cts. $\frac{1}{4}$ lb. 15 cts. Lb. 40 cts.

LONG SCARLET IMPORTED.—Pkt. 5 cts. $\frac{1}{4}$ lb. 15 cts. Lb. 30 cts.

WHITE OLIVE.—Quite salable in market.

Pkt. 5 cts. Oz. 10 cts. $\frac{1}{4}$ lb. 20 cts. Lb. 50 cts.

SCARLET OLIVE-SHAPED.—A showy, half-long variety of pretty shape, and bunches beautifully.

Pkt. 5 cts. Oz. 10 cts. $\frac{1}{4}$ lb. 20 cts. Lb. 50 cts.



LARGE WHITE SUMMER.

LARGE WHITE SUMMER.—This is the most popular white Radish for summer use, with the gardeners around Baltimore, because of its handsome appearance and ready sale and its well-known quality of being slow to run to seed.

**Pkt. 5 cts., Oz. 10 cts.
 $\frac{1}{4}$ lb. 20 cts., Lb. 50 cts.**



GOLDEN GLOBE.

GOLDEN GLOBE.—The best summer Radish. Slow to run to seed, shape globular, bright yellow color, and mild flavor.

Pkt. 5 cts. Oz. 10 cts. $\frac{1}{4}$ lb. 20 cts. Lb. 50 cts.

CHARTIER.—A good variety for private or market garden purposes; stands long before going to seed, and is tender and crisp.

Pkts. 5 and 10 cts. $\frac{1}{4}$ lb. 20 cts. Lb. 50 cts.



WHITE STRASBURG—This is becoming one of the most popular summer sorts. It is of handsome, tapering shape, skin pure white, very tender.

**Pkts. 5 and 10 cts., $\frac{1}{4}$ lb.
15 cts., Lb. 40 cts.**

GIANT STUTTGART.—A splendid new variety of excellent quality; withstands summer heat.

**Pkts. 5 and 10 cts., $\frac{1}{4}$ lb.
15 cts., Lb. 40 cts.**

ROUND BLACK SPANISH.—A fine globe shaped Radish, very popular with the Germans, known as *Rettig*; good quality.

Pkt. 5 cts. Oz. 10 cts. $\frac{1}{4}$ lb. 20 cts. Lb. 50 cts.



LONG BLACK SPANISH.—A large winter variety; one of the hardiest, with dark green leaves, firm in texture; keeping until spring.

**Pkt. 5 cts. Oz. 10 cts.
 $\frac{1}{4}$ lb. 20 cts. Lb. 50 cts.**

LARGE WHITE SPANISH WINTER.—Fine keeping quality.

**Pkt. 5 cts. Oz. 10 cts.
 $\frac{1}{4}$ lb. 20 cts. Lb. 50 cts.**

CHINESE ROSE WINTER.—Remarkably fine for winter use. The best of the winter sorts.

**Pkt. 5 cts. Oz. 10 cts.
CHINESE ROSE WINTER. $\frac{1}{4}$ lb. 20 cts. Lb. 50 cts.**

RHUBARB, or PIE PLANT.

Sow in April, in drills one inch deep and one foot apart. When plants are large enough, thin to ten inches apart and cultivate. In the fall or following spring transplant into deep rich soil three feet apart each way.

Pkt. 10 cts. Oz. 15 cts. $\frac{1}{4}$ lb. 45 cts. Lb. \$1.50.

SALSIFY, or VEGETABLE OYSTER.



Sow in early spring on light, rich soil in drills fourteen inches apart, and thin the plants to six inches in the row. The roots will be ready for use in October, and will sustain no injury by being left in the ground during the winter. When cooked the flavor somewhat resembles the oyster, and is a good substitute for it.

LARGE WHITE.—The old, well known variety.
Pkt. 5 and 10 cts. $\frac{1}{4}$ lb. 25 cts. 1b. 75 cts.

SANDWICH ISLAND MAMMOTH.—This new Salsify grows fully twice the size of the old sort, and is superior in quality. Invaluable to market gardeners.

Pkt. 5 and 10 cts. Oz. 15 cts. $\frac{1}{4}$ lb. 25 cts. 1b. 90 cts.

SPINACH.

This is quite an important crop with market gardeners, and one easily managed.

For summer use, sow early in spring, in drills eight inches to one foot apart, covering the seed one inch deep. Select rich soil and manure liberally. A succession may be obtained by sowing at intervals of two weeks through the season. For very early spring use sow in August, and protect the plants through the winter by a thick covering of clean straw or some similar light covering. Spinach is used principally as greens for boiling, and is very highly esteemed for this purpose.



CURLED SAVOY, or BLOOMSDALE.—The leaves are finely curled, large, thick and heavy, and are produced in great numbers. By far the best and most productive Spinach in cultivation. The kind most generally used by the truckers and large growers around Baltimore, Washington, Norfolk and other large cities. Our sales of this sort increase rapidly each year.

Pkt. 5 cts. $\frac{1}{4}$ lb. 10 cts. 1b. 20 cts.



LONG STANDING.—Best for spring sowing, as it is very slow to seed. The leaves are large, round, unusually thick, curled and of a fine dark green color.

Pkt. 5 cts. $\frac{1}{4}$ lb. 10 cts. 1b. 20 cts.

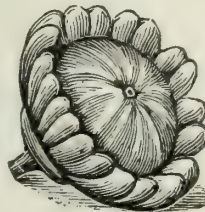
GRIFFITH & TURNER CO.'S EXTRA CURLED SAVOY.—American grown; selected stock; in sealed bags. This is a very superior sort, try it. Description page 7.

Lb. 20 cts. 5 lbs. 75 cts. 7 lbs. \$1.00.

VICTORIA SPINACH.—This new Spinach comes to us with the highest recommendations from the growers. The foliage is heavy, the broad, dark green leaves being of the true Savoy appearance, and of the finest quality, but the most remarkable feature that will make it of special value, both for market and family gardens, is the fact that it is in prime condition from two weeks to three weeks after all other varieties of Spinach have run to seed.

Pkt. 5 cts. $\frac{1}{4}$ lb. 10 cts. 1b. 20 cts. 5 lbs. 75 cts.

SQUASH.



The Squashes are all quite tender, and therefore no progress can be made in starting them until the weather becomes somewhat warm and settled.

Plant in hills five feet apart each way for the bush varieties, and eight feet for the running varieties, allow eight seeds to the hill, but don't allow over three to stand.

EARLY WHITE BUSH SCALLOPED.—A desirable and marketable sort. Best known and most productive of all the summer sorts.

Pkt. 5 and 10 cts. $\frac{1}{4}$ lb. 15 cts. 1b. 40 cts.

SUMMER CROOK NECK EARLY.—Fine flavor; a desirable table sort.

Pkt. 5 and 10 cts. $\frac{1}{4}$ lb. 15 cts. 1b. 50 cts.

WINTER CROOK NECK.—Flesh red, fine flavor; largely grown for winter use.

Pkt. 5 and 10 cts. $\frac{1}{4}$ lb. 15 cts. 1b. 50 cts.

BOSTON MARROW.—For autumn use. Fine for pies or baking.

Pkt. 5 and 10 cts. $\frac{1}{4}$ lb. 15 cts. 1b. 40 cts.

HUBBARD.—Fine and desirable for winter use.

Pkt. 5 cts. Oz. 10 cts. $\frac{1}{4}$ lb. 20 cts. 1b. 50 cts.

SIBLEY, or PIKE'S PEAK.—Shell is pale green in color, very thin and smooth, flesh solid and thick, brilliant orange color, and of rich, delicate flavor. A good keeper.

Pkt. 5 and 10 cts. $\frac{1}{4}$ lb. 20 cts. 1b. 60 cts.

VEGETABLE MARROW.

A delicious English sort, skin greenish white, flesh white, soft and of a rich flavor; a heavy cropper, quite distinct from the other sorts.

We think every family should plant a package of this squash, as it is far superior to any we have ever tasted.

Pkt. 5 cts. Oz. 10 cts. $\frac{1}{4}$ lb. 25 cts. 1b. 75 cts.



TOBACCO SEED.

CONNECTICUT SEED LEAF.—Extensively grown for cigar wrappers.

Pkt. 10 cts. Oz. 30 cts.

HAVANA.—Imported seed.

Pkt. 10 cts. Oz. 30 cts.

MARYLAND.—Pkt. 10 cts. Oz. 30 cts.

TOMATO.

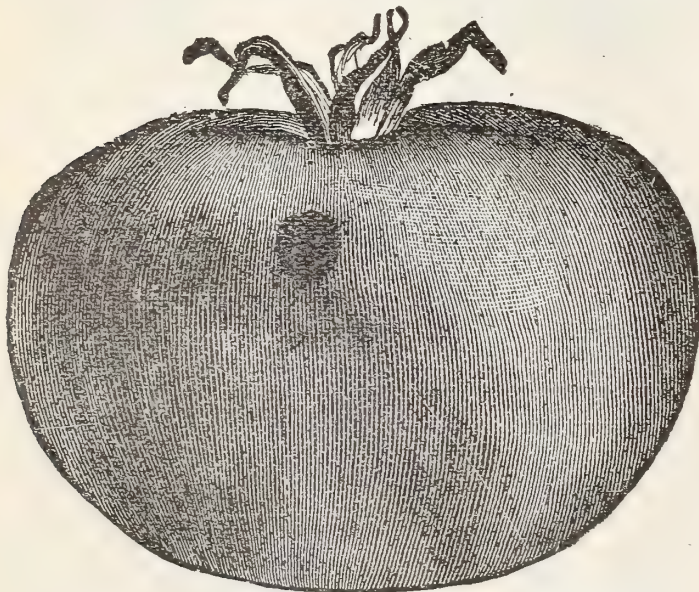
BEWARE of CHEAP TOMATO SEEDS, saved in canning houses, as it is sure to be a mixture of different sorts. We take special care in growing our Tomato seeds. We have the seed stocks selected carefully each year, and the crops are inspected by us during the period of growth and maturity of fruit, and we are thus prepared to offer our customers seed of the first quality.

For early fruit sow the seed in March or April, in the hot-bed or in pots in a sunny exposure in the house. When the plants are about three or four inches high they should be set out four or five inches apart in another hot-bed or cold-frame, or removed into small pots, allowing a single plant to a pot. Expose to the air as much as possible to harden, and about the middle of May set the plants in the open ground, at a distance of four or five feet each way. Water freely at the time of transplanting, and shelter from the sun for a few days until the plants are established. Sufficient plants for a small garden may be had by sowing a few seeds in a shallow box or a flower-pot, and placing in a sunny window in the house. Cultivate thoroughly as long as the vines will permit.

Tomatoes will admit of training to stakes or trellis of various kinds, and the fruit is very much improved both in appearance and quality. This mode of cultivation is now quite common among gardeners who grow for early market. The usual method is to set one strong plant to a stake, using stakes five to seven feet in height, tying the plants up with wool or other strong, soft twine, pruning out quite freely as the vines advance in growth. By adopting this method the plants may be set much closer than in the ordinary way.

WORLD'S FAIR.—New, introduced and named by us three years ago. It has fully stood the test as being first-class in every respect. Beautiful in color, handsome in shape, solid and good keeper. See description on page 8.

Pkts. 5 and 10 cts. Oz. 20 cts. ¼ lb. 50 cts. Lb. \$1.75.



BEAUTY.—For early market and shipping this cannot be excelled, because of its solidity and toughness of skin. Color is a rich, glossy crimson with a slight tinge of purple. It is well known and very largely used by our gardeners.

Pkts. 5 and 10 cts. Oz. 20 cts. ¼ lb. 40 cts. Lb. \$1.25.

FAVORITE.—This is a large, perfect shaped Tomato. One of the best for either canning or market purposes.

Pkts. 5 and 10 cts. Oz. 20 cts. ¼ lb. 40 cts. Lb. \$1.25.

B. B. TOMATO.—This is one of the leading varieties for second early and late use; the fruit is large and handsome and an excellent keeper.

Pkts. 5 and 10 cts. Oz. 20 cts. ¼ lb. 40 cts. Lb. \$1.25.



PRIZEWINNER TOMATO.

In this new sort we have the Prince of market Tomatoes. In color somewhat resembling the Beauty, but much larger, very solid, ripens earlier than the World's Fair, and with us was one of the best keepers we have seen; as an early Tomato it is first-class, selling for the highest market price, and a remarkably full bearer; it is also well adapted for a late crop. It is smooth and uniform in shape, and in quality it cannot be surpassed. It is remarkably free from acidity and cuts as solid as meat.

Pkts. 5 and 10 cts. Oz. 20 cts. ¼ lb. 50 cts. Lb. \$1.75.

ARISTOCRAT.—This new variety resembles the Dwarf Champion in habit and growth, is of good size, solid, smooth, productive, of fine flavor, and a handsome color.

Pkts. 5 and 10 cts. Oz. 25 cts. ¼ lb. 75 cts. Lb. \$2.50.

DWARF CHAMPION.—Entirely distinct from any other variety; plant grows stiff and upright, so that it may be planted closer than other varieties, very desirable for a small garden, as it requires so little room; bears throughout the entire season. The fruit resembles the Acme, and is smooth and attractive in appearance.

Pkts. 5 and 10 cts. Oz. 25 cts. ¼ lb. 50 cts. Lb. \$1.75.

ATLANTIC PRIZE.—A splendid early sort. For description see page 8.

Pkts. 5 and 10 cts. Oz. 20 cts. ¼ lb. 50 cts. Lb. \$1.50.

IMPERIAL.—This new variety is highly recommended by leading growers. The originator claims it to be much earlier than any other; a beautiful, symmetrical and meaty tomato.

Pkt. 10 cts. Oz. 25 cts. ¼ lb. 75 cts. Lb. \$2.50.

ACME.—Of superlative merit, early, medium size, shape slightly oval, smooth and of a pink-purplish color.

Pkts. 5 and 10 cts. Oz. 20 cts. ¼ lb. 40 cts. Lb. \$1.25.

PARAGON.—Here we have a variety—the perfection of a Tomato—large, solid, smooth as an apple, and handsome, deep red color. It is superb. No praise can be too high. Extensively used by canners all over the country.

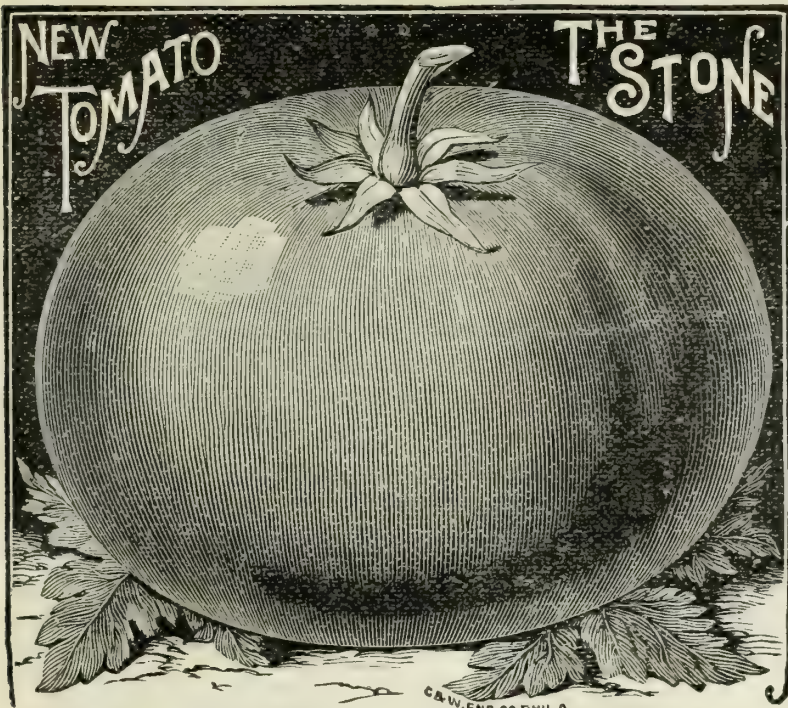
Pkts. 5 and 10 cts. Oz. 20 cts. ¼ lb. 40 cts. Lb. \$1.25.

ROYAL RED.—A new Tomato, much resembling the Favorite in form and color. A good main crop variety.

Pkts. 5 and 10 cts. Oz. 20 cts. ¼ lb. 40 cts. Lb. \$1.25.

BUCKEYE STATE.—This new Tomato comes to us as being a superior market variety, very large, solid, handsome and productive.

Pkt. 10 cts. Oz. 20 cts. ¼ lb. 50 cts. Lb. \$1.50.

TOMATOES.—Continued.

NEW STONE.—The New Stone Tomato ripens for main crop; is very large and of bright scarlet color; very smooth, with occasionally a specimen very slightly octagon shaped; ripening evenly to the stem without a crack; exceedingly solid and firm-fleshed (as its name indicates); is an excellent shipper; fine for canning; a good keeper; not subject to rot.

Pkts. 5 and 10 cts., oz. 20 cts., ½-lb. 40 cts., lb. \$1.25.

PRIZETAKER.—A very desirable early sort, large, of handsome shape, and deep crimson color with a light tinge of purple.

Pkts. 5 and 10 cts., oz. 20 cts., ½-lb. 40 cts., lb. \$1.25.

GOLDEN QUEEN or SUNRISE.—A bright yellow, large and solid; ripening well up to the stem; a good keeper, and, all things considered, the best Yellow Tomato ever introduced; very productive.

Pkts. 5 and 10 cts., oz. 20 cts., ½-lb. 60 cts., lb. \$2.00.

PEAR SHAPED YELLOW.—Sometimes known as the Yellow Egg or Plum. Used for preserves and pickles. Of extraordinary productiveness.

Pkts. 5 and 10 cts., oz. 20 cts., ½-lb. 60 cts.

PEAR SHAPED RED.—Similar to the above, except in color.

Pkts. 5 and 10 cts., oz. 20 cts., ½-lb. 60 cts.



QUEEN.—Fruit somewhat resembles Paragon in appearance. This sort is well known and a favorite among canners, but is not as deep red in color nor as solid and weighty as our World's Fair.

Pkts. 5 and 10 cts., oz. 20 cts., ½-lb. 40 cts., lb. \$1.25.

TURNIP.

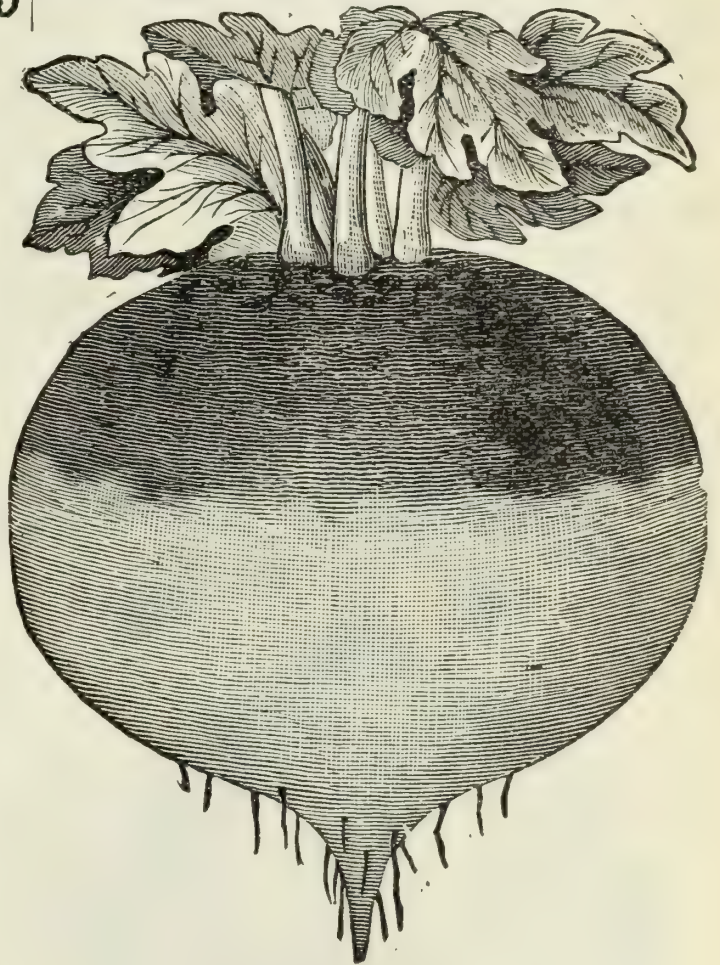
For early use, sow the small sorts as soon as the ground can be worked in the spring, in drills fourteen inches apart, the Rutabagas thirty inches. As the seed is very fine, it should be covered but slightly, excepting in very dry weather. Select light, and, if possible, new soil, and manure with plaster and ashes or phosphates. Should the young plants be troubled with insects, a sprinkling of slug shot will be beneficial. For fall and winter use, the early kinds should be sown from the middle of July to the middle of August, and the Rutabagas from the middle of June to first of July, using from one to one and a half pounds of seed to the acre.

EXTRA EARLY PURPLE TOP MILAN.—The earliest and handsomest Flat Turnip in cultivation; none equal to it for spring sowing.

Pkt. 5 cts., ½-lb. 20 cts., lb. 60 cts.

LARGE EARLY RED TOP GLOBE.—A variety of recent introduction; of large size, rapid growth, unusually attractive; approved and admired by all who have seen it. A very much heavier producer than either of the preceding and quite as early as the Flat Red Top. We confidently recommend it as an acquisition. Very few market gardeners will have any other kind.

Pkt. 5 cts., ½-lb. 10 cts., lb. 25 cts.



RED TOP GLOBE.

EARLY WHITE FLAT DUTCH.—Differs from Red Top only in color.

Pkt. 5 cts., ½-lb. 10 cts., lb. 25 cts.

EARLY WHITE EGG.—A new variety of rapid growth; egg-shaped and white, as its name indicates.

Pkt. 5 cts., ½-lb. 15 cts., lb. 40 cts.

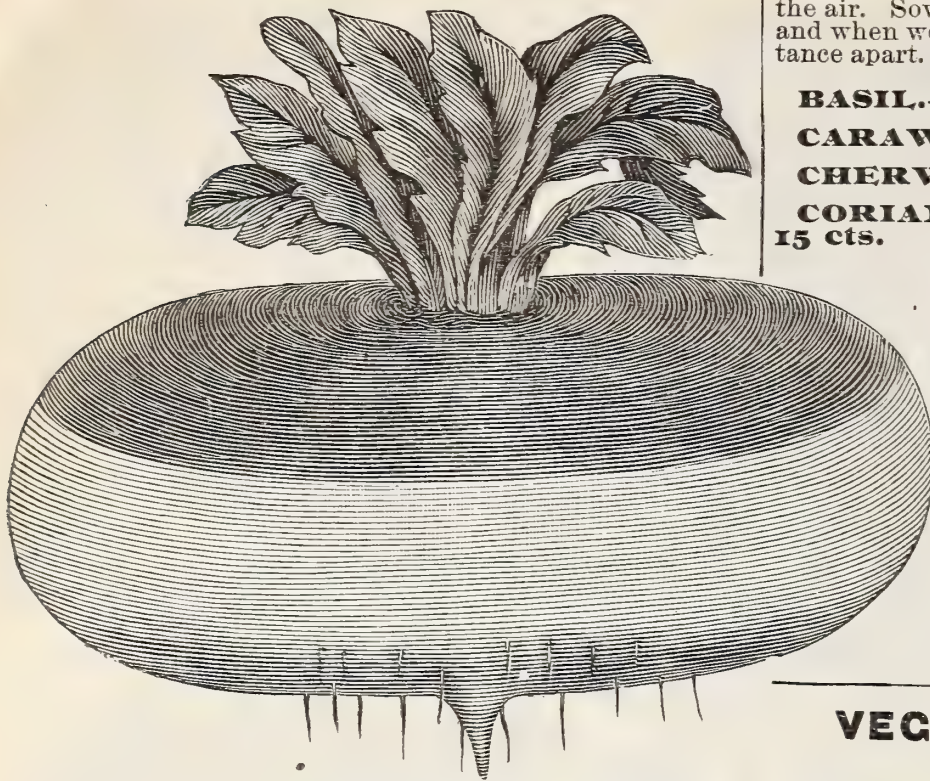
YELLOW ABERDEEN, or SCOTCH YELLOW.—This is a highly approved CATTLE TURNIP, attaining a large size. It is solid, nutritious, a good keeper and in every respect reliable.

Pkt. 5 cts., ½-lb. 10 cts. lb. 25 cts.

LARGE AMBER, or YELLOW GLOBE.—Grows to a large size, flesh yellow, firm and fine-grained. Excellent for either table use or feeding stock.

Pkt. 5 cts., ½-lb. 10 cts., lb. 25 cts.

SEVEN TOP.—For greens and salads. Used largely in the Southern States.

TURNIPS.—Continued.

EARLY RED TOP FLAT.—Fine, sweet, mild, rapid grower, very early and popular.

Pkt. 5 cts. $\frac{1}{4}$ lb. 10 cts. 1b. 25 cts.

RUTABAGA, or SWEDE TURNIP.

The Swede Turnips, or Rutabagas, grow much larger in size, and are of greater value for stock feeding than ordinary turnips. Every farmer and stock-raiser should grow Rutabagas and Stock Beets for winter feeding; it will pay.



GRIFFITH & TURNER CO.'S IMPROVED PURPLE TOP.—Yellow fleshed. A standard field variety for stock, and fine for family use. This splendid Swede is the hardiest, most productive and most nutritious variety in cultivation.

Pkt. 5 cts. $\frac{1}{4}$ lb. 10 cts. 1b. 30 cts.

YELLOW RUTABAGA.— $\frac{1}{4}$ lb. 10 cts. 1b. 25 cts.

SWEET AND POT HERBS.

A little collection of Sweet Herbs is a treasure to the cook and nurse. A small place in the garden will give all the herbs needed in any family, and care should be taken to harvest them properly. This should be done on

a dry day, just before they come into full bloom, then dried quickly and packed closely, entirely excluded from the air. Sow in spring in shallow drills, one foot apart, and when well up thin out or transplant to a proper distance apart.

BASIL.—Pkts. 5 and 10 cts. Oz. 15 cts.

CARAWAY.—Pkt. 5 cts. Oz. 15 cts.

CHERVIL.—Pkt. 5 cts. Oz. 25 cts.

CORIANDER.—Pkts. 5 and 10 cts. Oz. 15 cts.

DILL.—Pkt. 5 cts. Oz. 10 cts.
 $\frac{1}{4}$ lb. 20 cts. 1b. 70 cts.

LAVENDER.—Pkt. 5 cts. Oz. 20 cts.

MARJORAM.—Pkt. 5 cts. Oz. 15 cts. $\frac{1}{4}$ lb. 40 cts.

SAGE.—American. Pkts. 5 and 10 cts. Oz. 20 cts. $\frac{1}{4}$ lb. 60 cts. 1b. \$2.00.

SUMMER SAVORY.—Pkts. 5 and 10 cts. Oz. 15 cts.

THYME.—Broad leaved English. Pkts. 5 and 10 cts. Oz. 25 cts. $\frac{1}{4}$ lb. 75 cts.

VEGETABLE ROOTS AND PLANTS.

ARTICHOKES, JERUSALEM.—25 cts. qt. \$1.00 pk. By mail, 30 cts. per lb.

ASPARAGUS ROOTS.—(See page 9.)

HORSE RADISH ROOTS.—20 cts. doz. 75 cts. per 100. \$6.00 per 1,000.

RHUBARB ROOTS.—Each, 15 cts. Doz. \$1.25.

CABBAGE, CELERY, TOMATO, PEPPER AND EGG PLANTS.—Fixed prices given on application and full remittance required. We will not ship Plants C. O. D. Shipments at purchasers' risk.

FARM SEEDS.**FLAX SEED.**

1b. 10 cts. 20 lbs. \$1.00. Bu. \$2.50.

FLAX-SEED MEAL.—For horses and cattle. 10 cts. per lb. 5 lbs. 25 cts. In quantities at market prices.

MAMMOTH RUSSIAN SUNFLOWER.

THE GIANT OF ALL SUNFLOWERS.—Growing to double the size of the common sunflower, and the yield of seed is TWICE AS GREAT. One hundred and twenty-five bushels to the acre have been grown at a less expense than corn. It is highly recommended for poultry, the best egg-producing food known. The leaves make splendid fodder, much relished by all kinds of stock. The seed is good feed for horses, and yields a fine quality of oil. The strong, thick stalks are used for fuel. 1b. 6 cts. 5 lbs. 25 cts. \$4.00 per 100 lbs.

FIELD PEAS.

Market Prices.—Write for Quotations.

SOUTHERN BLACK-EYE COW.—Also known as Sand Pea, a small white variety with black eye. Sow two bushels to the acre.

BLACK COW PEAS.—Very popular in Maryland, Virginia and other parts of the South.

CANADA FIELD PEAS.—Valuable for Northern climates for cattle feeding. Used as feed for pigeons, etc., and for green soiling.

Qt. 10 cts. Pk. 40 cts. Bu. \$1.25.

FARM SEEDS.

SEED CORN.

IMPROVED MARYLAND YELLOW DENT.—Our *Maryland Dent Corn* has taken first premium over all other Field Corn wherever exhibited. The grains are unusually deep, ears large, stalks grow from seven to ten feet high, does not exhaust soil so much, and will stand drought better than a large stalk.

This corn will yield five to ten bushels per acre more than any other Corn generally planted. Yields as good on thin land as any other Corn. A strong and vigorous grower.

Qt. 10 cts. Pk. 35 cts. Bu. \$1.25.
5 bu. \$5.00.

MARYLAND WHITE.—The most productive and showy White Corn, makes splendid meal.

Qt. 10 cts. Pk. 35 cts. Bu. \$1.35.
5 bu. \$5.00.

EARLY LEAMING.—An early selected variety of Yellow Corn, small grain, weighty and productive. Highly esteemed in Maryland and Pennsylvania. One of the earliest varieties of Yellow Corn in cultivation.

Qt. 10 cts. Pk. 35 cts. Bu. \$1.35.
5 bu. \$5.00.

GOLDEN BEAUTY.—A large, broad-grained Yellow Corn with ears of perfect shape and very small cob. The richness of color and the quality of the grain make it a very superior variety.

Qt. 10 cts. Pk. 35 cts. Bu. \$1.35.
5 bu. \$5.00.

THE 100-DAY BRISTOL.—The largest eared, earliest Yellow Dent Corn in cultivation. Since its introduction this corn has grown in popularity each season, and is now planted largely both in the Northern and Southern States. The grain is a light golden yellow, large and broad; the cob is small considering the size of the ear. The ears grow an average of about a foot in length, and the growth of Fodder is immense.

Qt. 10 cts. Pk. 35 cts. Bu. \$1.25.
5 bu. \$5.00.

BLUNT'S PROLIFIC.—Remarkably prolific, producing from three to five good sized ears on a stalk and growing very large fodder; is frequently used for ensilage.

Qt. 10 cts. Pk. 35 cts. Bu. \$1.25.
5 bu. \$5.00.

HICKORY KING.—The largest grained and smallest cobbled pure White Dent Corn in cultivation, ripens medium early, well adapted to planting on thin ground.

Qt. 10 cts. Pk. 35 cts. Bu. \$1.25.

POP CORN.—The best kind for popping.

Lb. 10c. 4 lbs. 25c. By mail. 20c. per lb.

RED KAFFIR CORN.—Excellent for Green feed or Fodder.

Lb. 10 cts. \$6.00 for 100 lbs.

WHITE KAFFIR CORN.

Lb. 10 cts. \$6.00 for 100 lbs.

OATS.

THIRTY-TWO POUNDS TO THE BUSHEL.

Our Oats are grown specially for seed purposes.

CLYDESDALE.—A very early and productive variety of extraordinary weight.

Per bushel, (32 lbs.) \$1.00.

WHITE RUSSIAN.—Per bushel, 90 cts.

WELCOME.—An excellent variety, very productive and heavy.

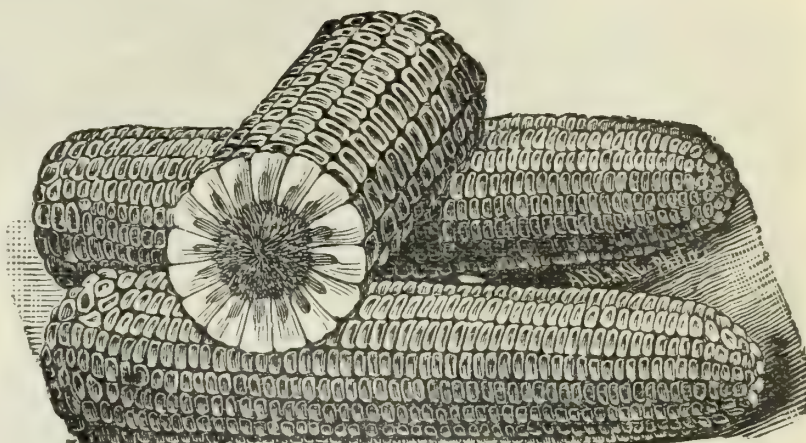
Per bushel, (32 lbs.) 90 cts.

CHOICE BLACK OATS.

Per bushel, (32 lbs.) 75 cts.

WHEAT AND RYE.

Write us August 1st for Special prices on Seed Wheat and Rye for Fall Sowing.



IMPROVED MARYLAND YELLOW DENT.

SEED BUCKWHEAT.

JAPANESE.—The plants are large and vigorous, maturing their seed early, and resisting drought and blight remarkably well, while the grain is much larger and at the same time has a thinner hull than the common or the Silver Hull. Owing to its branching character, only one-half the seed is required per acre, while the straw is much stiffer and stands up better. We recommend this especially for well drained or sandy land, and the dry climate of the western plains.

At Market Prices.

SILVER HULL.—This improved variety is much better than the old sort. It is in bloom longer, matures sooner, and yields double the quantity per acre. The husk is thinner, the corners less prominent, and the grain of a beautiful light grey color.

At Market Prices.

BROOM CORN.

IMPROVED EVERGREEN.—This is the favorite sort, has a fine brush, yields well and keeps green. Height, 8 to 9 feet.

Qt. 20 cts. Pk. 75 cts. Bu. \$2.50.

CRIMSON CLOVER.

(TRIFOLIUM INCARNATUM).



The best crop for Hay, Silage, and green manuring. Fall, Winter and Spring Pasture. This popular Clover Seed is grown successfully in Delaware, Maryland and Virginia. The yield of fodder is immense. Its growth is very rapid and luxuriant, and therefore it is valuable as a fertilizer to turn under. It is fast becoming a popular crop in the Middle States and the South, and is finding its way into Pennsylvania and the West. It is used on poor and rich land. It is seeded in this country in June, July, August, September and October, and will produce an enormous crop early in the following spring, suitable either for consumption as green food or for hay. 10 or 15 pounds should be sown to the acre, according to quality of ground.

10 cts. per lb. By mail, 20 cts. per lb.
15 lbs. for \$1.00. \$6.00 for 100 lbs.

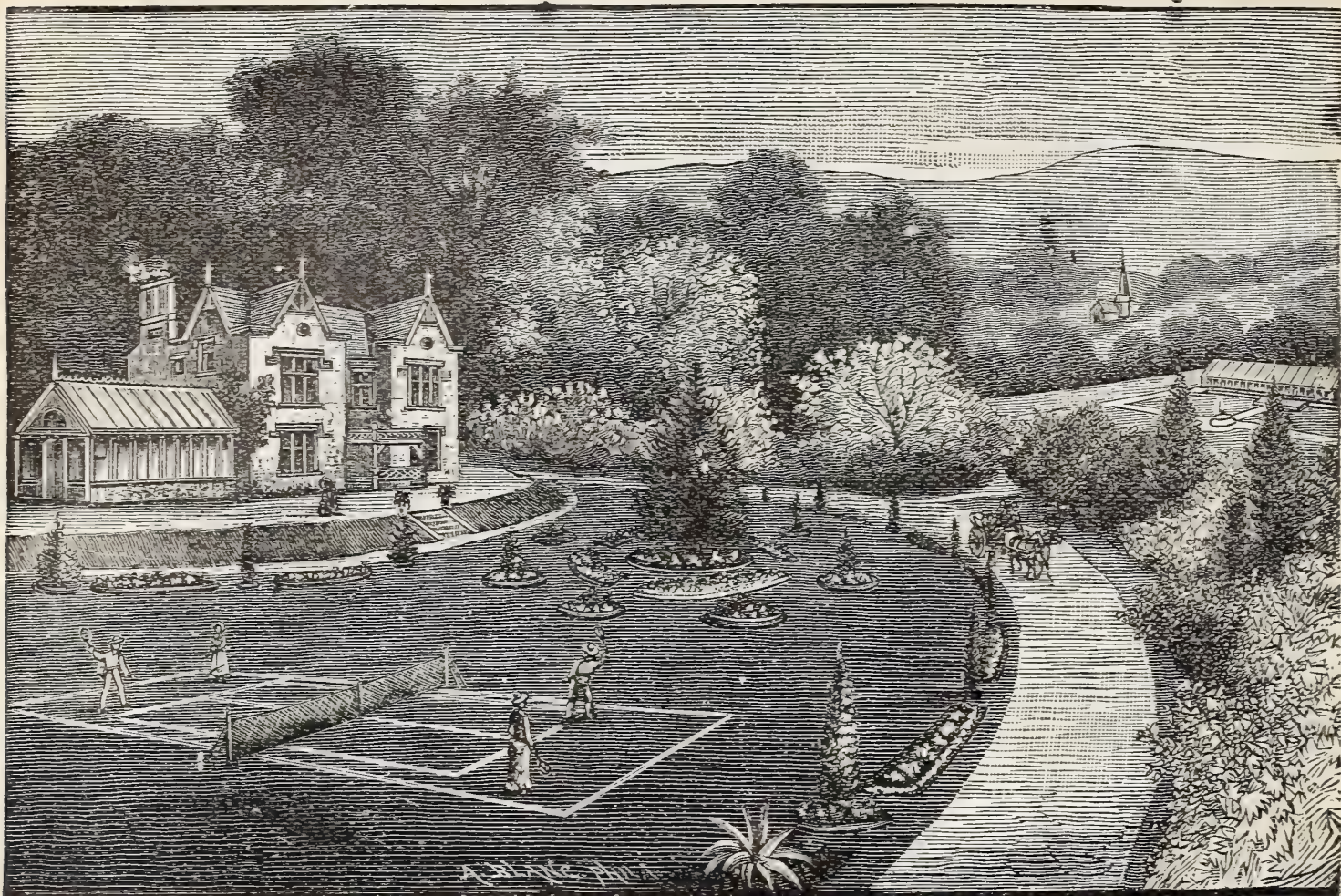
MILLET.

GERMAN or GOLDEN MILLET.—An improved variety, medium early, growing three to five feet high. The heads are closely condensed, though the spikes are very numerous. This is the best and most productive Millet to grow. Weight per bushel, 50 lbs. Market prices.

HUNGARIAN MILLET (*Panicum Germanicum*).—Early and productive, growing two to three feet high, with an abundance of foliage and slender heads. Weight per bushel, 48 lbs. Market prices.

COMMON MILLET.—Weight per bushel, 50 lbs. Market prices.

SPECIAL PRICES TO GARDENERS AND FARMERS, IN LARGE QUANTITIES.



GRIFFITH & TURNER CO.'S EVERGREEN LAWN GRASS.

There is nothing prettier around a home than a well-kept lawn; it brightens up the surroundings and adds loveliness to the landscape. In order to make or preserve a pretty lawn, Grass Seed should be liberally used, and for this purpose our Evergreen Lawn Grass is the most desirable. This is a first-class mixture prepared by ourselves and containing nothing but choice seeds—just the thing for tennis, croquet and ball grounds—remaining green and fresh during the hot summer months. Widely known and extensively used on the finest private and public grounds around Baltimore and elsewhere with the most satisfactory results.

Pt. 15 cts. Qt. 25 cts. Pk. 1.25. Bush. of 20 lbs. 4.50.

PREPARATION AND CARE OF LAWNS

The ground should be thoroughly drained and well enriched before sowing. Work the soil until well pulverized, and have the surface as level as possible, so that the grass may present an even appearance. After sowing, cover seed lightly and follow with roller. The best results are obtained by using plenty of seed—four bushels to the acre being about the right quantity. One quart is sufficient for 300 square feet. Let the grass obtain a good start before cutting, and then it should be trimmed with a lawn mower about every ten days. OLD LAWNS may be improved and renewed by the application of fertilizers and seeding about half the quantity of seed required for new lawns.

PARK LAWN GRASS.—Although this mixture does not contain so much of the high-priced varieties as are found in our Evergreen Lawn Grass, this will make a beautiful sod. Sow four bushels to the acre.

Qt. 20 cts. Pk. \$1.00. Bush. of 16 lbs. \$3.00.

WHITE DUTCH CLOVER.—(For Lawns.) The best to sow with lawn grass, and valuable in permanent pastures. **1 lb. 10 cts. 1 lb. 30 cts. By mail 40 cts. 4 lbs. for \$1.00. 100 lbs. \$20.00.**

Our Lawn grass should not be confounded with the cheap chaffy grasses offered at less prices.

GRASSES.

KENTUCKY BLUE GRASS.—(Fancy, triple-cleaned). Valuable for pasture when mixed with other varieties; also an excellent sort for lawn purposes.

Bushel (14 lbs.), \$2 00.

10 bushel lots, \$1 75 per bushel.

NOTICE.—Beware of cheap Canada Blue Grass, as it is full of Thistle.

HERD or RED TOP GRASS, (*Agrostis vulgaris*).—A valuable native permanent grass, as a mixture in meadows, pastures or lawns, growing in almost any soil, moist or dry, and standing our hot climate. 10 lbs. to the bushel; 2½ bushels to the acre.

As usually sold per bushel, 75 cts.

Choice Ex. Heavy Seed per bus., \$1 00.

ORCHARD GRASS (*Dactylis Glomerata*).—One of the most desirable grasses for pastures, sowing under orchards or in shady places. It grows rapidly, thrives in sandy land, and does not suffer from close feeding. Choice Western seed. Not to be confounded with the cheap grasses mixed with rye grass.

Bushel (14 lbs.), \$2 00.

Fancy recycled seed, \$2 25 per bushel.

PASTURAGE GRASS MIXTURE.—We prepare a special Pasture Mixture of Grasses and Clovers for either upland or lowland sowing, for hay or permanent pasture. Sow three to four bushels to the acre.

Bushel (14 lbs.), \$2 75. 10 bush. \$25 00.

TIMOTHY.—Choice Timothy seed at market prices.

RED CLOVER, MEDIUM (*Trifolium Pratense*).—The leading variety of Clover for pastures or meadows. Market prices.

LUCERNE CLOVER.—One of the most valuable among Clovers, resisting drought and remaining green when other sorts are dried up. Sow on rich, moist loam or sandy soil. Prepare the land thoroughly and sow 15 lbs. to the acre.

Lb. 15 cts. By mail, 25 cts. 8 lbs. \$1 00, \$10 00 for 100 lbs.

ALSIKE, or SWEDISH (*Trifolium Hybridum*).—Hardest of all the Clovers, and on rich, moist soils yields an enormous quantity of hay or pasture. Valuable for sowing with other Clovers or Grasses, as it forms a thick bottom and increases the yield of hay. Sow six lbs. per acre when used alone.

Lb. 15 cts. By mail, 25 cts. 8 lbs. \$1.00. 100 lbs. \$10.00.



LUCERNE OR ALFALFA.

SPECIAL PRICES TO GARDENERS AND FARMERS, IN LARGE QUANTITIES.

CHOICE FLOWER SEEDS.

EIGHT 5c. PAPERS FOR 25c., or FOUR 10c. PAPERS FOR 25c.

ORDER BY NUMBERS.

I. AGERATUM, MIXED.—Suitable for beds, and especially nice for cut flowers and bouquets.

Packet, 5 cts.



ALYSSUM.

10. ALYSSUM.—The Sweet Alyssum has pretty little white flowers, useful in making small bouquets, and its fragrance, while sufficiently pronounced, is very delicate. The Alyssum grows freely from seed; blooms the whole season.

Pkt. 5 cts.

11. ALYSSUM (Tom Thumb).—Of dwarf, compact habit, each plant covering a circle from 15 to 30 inches. It will bloom when small and remain covered with bloom from spring to autumn.

Pkt. 5 cts.

20. AMARANTHUS, MIXED.—Showy blooming plants, with long racemes of curious looking flowers, and brilliant foliage; half-hardy annuals.

Packet, 5 cts.

21. AMARANTHUS, TRICOLOR (Joseph's Coat).—Red, yellow and green foliage; 2 feet.

Packet, 5 cts.



LOVE LIES BLEEDING.

22. AMARANTHUS CAUDATUS (Love Lies Bleeding).—Graceful and handsome flowers of blood-red hue.

Packet, 5 cts.

25. ASTER, CHINA.

—Well known and beautiful flowers; should be in every garden.

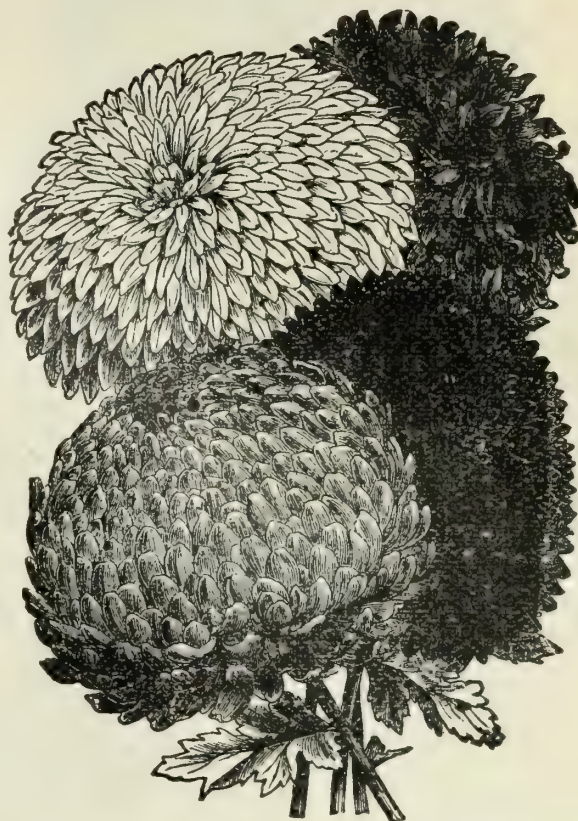
Packet, 5 cts.

26. ASTER, GERMAN.—All colors and shades of the best German sorts. Sow seed early and transplant to rich soil.

Packet, 5 cts.



VICTORIA ASTER.



27. ASTER, TRUFFAUT'S PERFECTION.—A very favorite class; thrifty, upright growers; flowers large, almost perfectly round, with incurved petals. The florists' preference; 1½ to 2 feet.

Packet, 10 cts.

28. PRINCESS SNOWBALL.—This is an entirely distinct variety of Asters. The flowers are pure white and are formed of short, thickly set, imbricated petals, there being about 25 or 30 on a plant.

Packet, 15 cts.

29. MIGNON ASTER.—A splendid new class of Asters. The plants are semi-dwarf and bear in profusion flowers of a very double nature, the petals overlapping each other.

Packet, 15 cts.

30. VICTORIA ASTER.—The most beautiful of all the Asters, bearing flowers of all colors and shades; the colors include many extremely delicate and gorgeous shades. Very double and 4 inches across; height 15 to 18 inches.

Packet, 10 cts.

31. COMETASTER.

—This class of Asters have long, slender and curled petals, forming loose, yet dense flowers of semi-globe shape, 3½ to 4½ inches in diameter, which resemble the Japanese Chrysanthemum.

Packet, 10 cts.

32. DWARF CHRYSANTHEMUM FLOWERED ASTER.—Grow 9 inches high, surpass all the dwarf varieties in size of flowers.

Packet, 10 cts.



COMET ASTER.

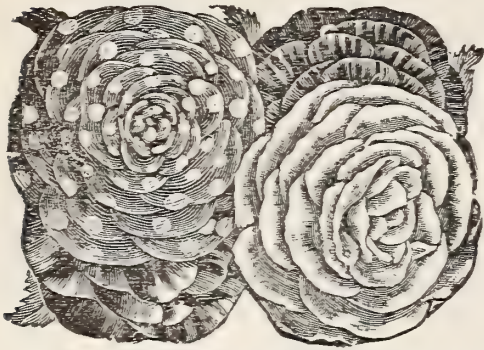
35. BACHELOR'S BUTTON OR BLUE BOTTLE (Centaurea Cyanus).—A very old favorite garden annual, with handsome flowers of various colors. It does best if sown in a hot-bed; half-hardy annuals; 2 feet.

Packet, 5 cts.

OUR FLOWER SEEDS ARE SELECTED WITHOUT REGARD TO COST.

CHOICE FLOWER SEEDS—CONT'D.

EIGHT 5c. PAPERS FOR 25c., or FOUR 10c. PAPERS FOR 25c.



40. BALSAMS, DOUBLE MIXED (*Lady Slipper, or Touch-Me-Not.*)—The well known Balsams are one of the finest summer blooming annuals; free bloomers and highly colored. By transplanting them once or twice, the flowers are apt to be more double.

Packet, 5 cts.

41. BALSAM, PURE WHITE.—This resembles the mixed Balsams in shape, but the flowers are of a pure white and is the variety usually grown by florists.

Packet, 10 cts.

45. CANDYTUFT, MIXED.—Well known favorite, hardy annuals; very pretty in beds or masses; useful for bouquets. Seeds may be sown in the fall for early flowering.

Packet, 5 cts.

46. CANDYTUFT, WHITE.—Treated and used same as the mixed.

Packet, 5 cts.

50. CALCEOLARIA, DWARF.—This is a magnificent ornamental plant for green-house or conservatory; bearing in profusion pocket-shaped flowers of all colors, spotted and blotched in the most fanciful fashion.

Packet, 25 cts.

53. CALENDULA.—Very profuse, dwarf bushy annuals, blooming continuously and profusely until frost, of easy culture, and suitable either for summer garden or for growing in pots in winter.

Pkt. 5 cts.

55. CANNA, MIXED (*Crozy's New Varieties.*)—The Cannas are desirable, not only for the beauty of their spikes of scarlet flowers, but for their highly ornamental leaves. They make superb beds for the lawn. Soak the seeds thoroughly before planting, and keep in a warm spot. Very slow to germinate.

Packet, 5 cts.

60. CANTERBURY BELLS, SINGLE MIXED (*Campanula.*)—A highly attractive class of plants, combining richness of color with stately growth; valuable for beds and borders. Sow early, and transplant in light rich soil.

Pkt. 5 cts.

61. CANTERBURY BELLS, DOUBLE MIXED.—Packet, 5 cts.

CARNATION.—(See Pinks.)

65. CASTOR OIL BEAN (*Ricinus.*)—Ornamental plants of stately growth and picturesque foliage; fine for lawns, massing or center plants for ribbon beds; half hardy annuals.

Pkt. 5 cts.

68, a. CENTAUREA GYMNOCARPA.—Fine cut silver-gray foliage; 1½ feet.

Pkt. 5 cts.

68, b. CENTAUREA CANDIDISSIMA.—Silvery white, leaves broadly cut.

Pkt. 5 cts.

69. CENTROSEMA GRANDIFLORA.—A perfectly hardy perennial vine of rare beauty, which blooms in July from seed sown in April, and bears in great profusion inverted pea-shaped flowers of various colors.

Packet, 10 cts.



70. CHRYSANTHEMUMS MIXED.—Showy and effective garden favorites, extensively grown for cut flowers. The hardy annuals are summer flowering border plants; good for pot culture, and quite distinct from the autumn flowering varieties.

Packet, 5 cts.

71. CHRYSANTHEMUM Frutescens ("The Marguerite," or "Paris Daisy.")—Immense quantities are grown by French florists, and find a ready sale. It produces freely its white star-like flowers under the most unfavorable conditions.

Packet, 10 cts.

75. CINERARIA (*Dusty Miller.*)—Fine for bedding, ribbon beds and margins; prized for their beautiful downy silvery foliage; half hardy perennials; 2 feet.

Packet, 5 cts.

76. CINERARIA HYBRIDA—CHOICEST MIXED.—Very attractive, free blooming plants, producing large and brilliant flowers.

Packet, 25 cts.

77. CINERARIA HYBRIDA, NANAGRAN-DIFLORA.—Semi-dwarf, large flowered variety, splendid strain.

Packet, 50 cts.

80. CLARKIA, MIXED

—An old favorite hardy annual plant, growing in any garden soil, and producing freely its cheerful flowers early in the season; 1½ ft.

CINERARIA.

Pkt. 5c.



COCKSCOMB.

85. COCKSCOMBS (*Celosia Cristata.*)—Very popular annuals of the easiest culture; highly ornamental for decoration of the green-house, drawing room and garden.

Half hardy annuals.

Pkt. 5 cts.

86. COCKSCOMBS, GLASGOW PRIZE.—Immense showy dark crimson combs.

Pkt. 10 cts.

88. COWSLIP.

Pkt. 10 cts.

89. COLEUS.—Plants with richly colored foliage of maroon, green, crimson, yellow, etc.

Packet, 5 cts.

90. CONVOLVULUS, TRI-COLOR MINOR (*Dwarf Morning Glory.*)—A beautiful class of hardy annuals affording a large showy mass of flowers from July to October.

Packet, 5 cts.

93. COREOPSIS (*Calliopsis.*)—Very handsome and showy plants, with numerous flowers of brilliant colors and of long duration in bloom.

Packet, 5 cts.

95. COSMOS.—Large flowering. Sow early in spring, and transplant when danger from frost is past. The flowers are borne profusely, and present a charming appearance when in full bloom, being covered through the autumn months with hundreds of showy blossoms. They are very easily raised and make a grand display.

MIXED, Pkt. 5 cts.

95a. PINK.—5 cts.

95b. WHITE.—5 cts.

95c. CRIMSON.—5 cts.

DIANTHUS.—(See Pinks.)

66. CYCLAMEN-PERSICUM—GIGANTEUM, MIXED.—Char-

ming plants with beautiful foliage and rich colored fragrant flowers.

Packet, 25 cts.



COSMOS.

CHOICE FLOWER SEEDS.—CONT'D.

EIGHT 5c. PAPERS FOR 25c., or FOUR 10c. PAPERS FOR 25c.



DAISY.

97. DAISY MIXED.—Well-known favorites, admirably adapted for edgings, borders and low beds, and it is also suited for growing in pots. Although they are perennials they will flower the same season if seed is sown early in the house.

98. DAISY LONGFELLOW.—This is a very pretty large double pink variety. **Pkt. 10 cts.**

99. DAISY SNOWBALL.—An unusually large flowered variety, and produces very double, pure white flowers. **Pkt. 15 cts.**

101. ETERNAL FLOWER (*Helichrysum*).—These are very popular and desirable for winter decoration, bouquets, wreaths, etc. They should be cut when they come into full bloom, tied into bunches and dried in the shade with their heads downward. **Pkt. 5 cts.**

103. FEVERFEW (GOLDEN FEATHER) (*Pyrethum Aureum*).—A highly ornamental golden yellow foliage plant, unexcelled for bedding, Hardy perennial; 1½ feet. **Pkt. 5 cts.**

105. FORGET-ME-NOT (*Myosotis*).—Neat and beautiful little plants with star-like flowers, succeeding best in a shady, moist situation; half-hardy perennials; blooming the first year from seed if sown early. **Pkt. 5 cts.**

108. FOXGLOVE (*Digitalis*).—A handsome and highly ornamental, hardy perennial plant of stately growth, fine for shrubberies and other half-shady places; three feet. **Pkt. 5 cts.**

110. GILIA, MIXED.—Very pretty dwarf plants, early, free blooming, fine for massing and rock work; hardy annuals; 1 foot. **Pkt. 5 cts.**



HELIOTROPE.

112. HELIOTROPE—These are deliciously fragrant flowers, remaining in bloom a long time; fine for pot culture or bedding; 1½ ft. Half-hardy annuals. **Pkt. 5 cts.**

115. HOLLYHOCK, MIXED (*Althea Rosea*).—This is one of the oldest inhabitants of our gardens, and now ranks as one of the finest autumn flowers. **Pkt. 5 cts.**

116. DOUBLE WHITE.—Largely used by florists. **Pkt. 10 cts.**

120. LARKSPUR (*Delphinium*).—One of our most showy and useful plants, possessing almost every requisite for adornment of the garden. **Pkt. 5 cts.**

122. LOBELIA.—A beautiful and popular flower, very desirable for pot culture, beds or hanging baskets, because of its trailing habits. Grows easily and does well in beds and rockeries. Bears a profusion of blue and white flowers. Annual. **Mixed pkt. 5 cts.**



LARKSPUR.

123. LOBELIA, CRYSTAL PALACE, 10 cts.

124. COMPACTA VAR, Mixed, 10 cts.



MARIGOLD.

125. MARIGOLD, DOUBLE AFRICAN.—A well-known free flowering plant, of easy culture, with rich and beautiful double various colored flowers. **Pkt. 5 cts.**

126. MARIGOLD, DOUBLE FRENCH.—Of compact habit, with numerous bright, showy flowers. Very fine. **Pkt. 5 cts.**

127. MARIGOLD, GOLD NUGGET. **Pkt. 10 cts.**

130. MARVEL OF PERU, OR FOUR O'CLOCK (*Mirabilis Jalapa*).—A very pretty annual of vigorous growth. The flowers are brilliant, singularly mixed and varied on the same plant; 2 feet. **Pkt. 5 cts.**



FOUR O'CLOCK.

133. MESEMBRYANTHEMUM.—Dwarf spreading plants of great beauty, blooming the entire summer, succeeding best in dry, sandy or loamy soil, and in a warm locality. It belongs to the half-hardy annuals. **Pkt. 5 cts.**

135. MIGNONETTE—SWEET (*Roseda Odorata*).—A well-known and universal garden favorite, and one that requires no extra instructions for growing. Hardy annual. **Pkt. 5 cts. Oz. 15 cts.**

136. MIGNONETTE—PYRAMIDAL (Large flowered).—The largest flowered of all Mignonettes Annual. **Pkt. 5 cts. Oz. 15 cts.**

137. MACHET MIGNONETTE.—Well adapted for pot culture; dwarf pyramidal growth; bearing numerous flower stalks; one of the best. **Pkt. 10 cts. Oz. 50 cts.**

138. MIGNONETTE VICTORIA.—A splendid new compact growing variety of dense pyramidal habit, growing about six inches high. The flowers are of a brilliant red, and are suitable for pot or garden. **Pkt. 10 cts.**

142. NASTURTIUM—DWARF.—The dwarf variety of Nasturtium are among the most useful and beautiful of annuals for bedding, massing, etc., owing to their compact growth, richness of color and profusion of bloom; mixed colors. **Pkt. 5 cts. Oz. 15 cts.**

143. DWARF NASTURTIUM—AURORA.—Blush, white and salmon, blotched with garnet. **Pkt. 5 cts. Oz. 25 cts.**

144. DWARF NASTURTIUM—BEAUTY.—Light scarlet, striped with yellow. **Pkt. 5 cts. Oz. 25 cts.**

145. DWARF NASTURTIUM—EMPRESS OF INDIA.—Very dark foliage, with deep crimson flowers. **Pkt. 5 cts. Oz. 25 cts.**



NASTURTIUM.

OUR FLOWER SEEDS ARE SELECTED WITHOUT REGARD TO COST.

CHOICE FLOWER SEEDS—CONT'D.

EIGHT 5c. PAPERS FOR 25c., or FOUR 10c. PAPERS FOR 25c.

146. DWARF NASTURTIUM—GOLDEN KING.—Brilliant yellow.

Pkt. 5 cts. Oz. 25 cts.

147. DWARF NASTURTIUM—KING OF TOM THUMBS.—Brilliant yellow flowers, blotched with maroon, measuring three inches across.

Pkt. 5 cts. Oz. 25 cts.

148. DWARF NASTURTIUM—RUBY KING.—Light ruby red.

Pckt. 5 ts. Oz. 20 cts.

149. DWARF NASTURTIUM—CLOTH OF GOLD.

—Golden yellow foliage, light scarlet flowers.

Pkt. 5 cts. Oz. 25 cts.

150. KING THEODORE.

—Dark scarlet maroon, dark foliage.

Pkt. 5 cts. Oz. 25 cts.

153. OXALIS.—Pretty little half-trailing annuals for hanging baskets, vases, rock work and edgings, flowering in profusion; 6 to 9 in. high. Mixed, annual sorts.

Packet, 10 cts.

155. PANSY, HEARTS-EASE (*Viola Tricolor*).—Choice

mixed. An old but universally admired plant, producing an endless variety of color, marking and texture. They may be treated as annuals, as they flower the first season from seed; 6 inches.

Packet, 5 cts.

156. PANSY, GIANT TRIMARDEAU.—Remarkable for the extra large size of the flowers, and an endless variety of beautiful shades.

Packet, 10 cts.

157. PANSY, G., T. & CO.'S EXTRA BLOTCHED.—This is the richest mixture ever sent out, containing the finest blotched varieties.

Packet, 15 cts. 2 packets, 25 cts.

158. PANSY (*Bugnot's Superb Blotched*).—A celebrated strain of extra large size, beautiful colors, with handsome, broad blotches, and finely penciled with stripes of delicate hue. The ground colors are generally dark, which with light penciling and blotches make a magnificent flower. They are a small seeder.

Packet, 50 cts.

159. PANSY (*Cassiers Strain*).—A beautifully flowered species, formed by five petals, each petal having a distinct blotch.

Packet, 25 cts.

165. PETUNIA.

Favorite, half hardy perennials, succeeding well in any rich soil. For the brilliancy and variety of the colors, and the long duration of their blooming period, they are indispensable in any garden.

Packet, 5 cts.

166. SINGLE-FRINGED MIXED PETUNIA.—Large flowers, four to five inches across, of every hue, each flower being beautifully fringed.

Packet, 25 cts.



PETUNIA.

167. DOUBLE PETUNIA.—About 30 per cent. will produce double flowers.

Packet, 25 cts.

168. PETUNIA.—Double-fringed mixed. The flowers of this sort being double, together with being fringed, are very beautiful.

Packet, 50 cts.



GRIFFITH & TURNER'S MIXED PANSIES.

175. PHLOX DRUMMONDII.—A most brilliant and beautiful hardy annual, about one foot high, well adapted for bedding, making a dazzling show through the whole season. It succeeds well on almost any soil.

Packet, 5 cts.



PHLOX DRUMMONDII.

176. PHLOX DRUMMONDII (*Nana Compacta*).—Very fine mixed. This new strain is of dwarf, compact habit, and makes desirable pot plants, also excellent for ribbon lines and massing.

Packet, 10 cts.

180. PINK—CARNATION or PICOTEE.—Choicest double mixed (*Dianthus Caryophyllus*). Carnation and Picotee Pinks are generally favorites for their delicious fragrance, richness of colors, and profuse bloom. Perennial.

Packet, 10 cts.

CHOICE FLOWER SEEDS—CONT'D.

EIGHT 5c. PAPERS FOR 25c., OR FOUR 10c. PAPERS FOR 25c.

181. PINK—CARNATION (*Riviera Market or Gillaud.*) This is the only variety that will produce yellow flowers the first season. The mixture we offer contains a magnificent variety of colors and shades, having among them flowers of canary yellow, and also striped yellow. They will thrive either in open ground or pots.

Packet, 25 cts.

182. PINK—CARNATION (*Marguerite.*)—Will produce flowers in a few weeks from seed. Profuse bloomers, producing very double flowers of all shades of red, pink, white and variegated. Will bloom all summer until frost, or will bloom indoors in winter in pots.

Packet, 10 cts.

185. PINK—CHINA (*Dianthus Chinensis.*)—Free bloomers, and a general favorite for bouquets; also a useful bedding plant.

Packet, 5 cts.

188. PINK—HEDDEWIGII.—Beautiful double flowers in a great variety of colors, with fringed white edges.

Packet, 5 cts.

109. PINK—JAPAN—Beautiful double flowers, mixed, of various colors, with the outer edges fringed and nearly white.

Packet, 10 cts.

195. PORTULACA (*Mexican Rose.*)—One of our finest hardy annual plants, of easy culture, thriving best in a rather rich, light loam or sandy soil; the single flowering varieties are large and brilliant, of the richest shades of color, and produced throughout the summer in great profusion; fine for massing in beds, edgings or rock work.

Packet, 5 cts.

196. DOUBLE PORTULACA.—Packet, 10 cts.



POPPIES.

200. POPPY—CARNATION (*Papaver.*)—A showy and easily cultivated hardy annual, with large brilliant colored flowers, growing freely in any garden soil.

Packet, 5 cts.

201. POPPY—PEONY FLOWERED.—A magnificent species, large, showy double globular flowers, resembling Peonies in shape

Packet, 5 cts.

202. POPPY—THE SHIRLEY.—These beautiful Poppies are generally single or semi-double. The colors, extending from one extreme to the other, are so varied that scarcely two are alike, while many are striped and blotched. The blooms, if cut when young, will stand for 2 or 3 days.

Packet, 5 cts.

203. TULIP POPPY.—A magnificent species from Armenia. The plants attain a height of 14 to 16 inches, and produce from about 50 to 60 flowers of the brightest scarlet.

Packet, 10 cts.

210. ENGLISH PRIMROSE (*Primula Vulgaris.*)—No collection of spring flowers is complete without a few of these charming little plants; a little covering in the late fall will protect them from the severe weather of winter, and the great number of flowers produced will more than repay you the extra trouble. They are not as generally grown as they should be.

Packet, 10 cts.

OUR CARNATIONS GIVE THE BEST RESULTS.

CHOICE FLOWER SEEDS.—CONT'D.

EIGHT 5c. PAPERS FOR 25c., or FOUR 10c. PAPERS FOR 25c.



211. CHINESE PRIMROSE (*Primula fringed*).—This variety is much prettier than the English, being fringed and of the most beautiful colors. They differ from each other like the double and single Petunias.

Pkt. 25 cts.

212. RICINUS CAMBOGIENSIS.—Bronze maroon, with red veins.

Pkt. 10 cts.

213. RICINUS ZANZIBARENSIS.—Leaves very large and handsome.

Pkt. 10 cts.

215. SCARLET SAGE (*Salvia Splendens*).—A favorite greenhouse and bedding plant, bearing long spikes of flowers in great profusion from July to October; half-hardy perennial, blooming the first year from seed; 3 feet.

Pkt. 5 cts.

216. SCARLET SAGE—CLARA BEDMAN.

Pkt. 5 cts.

220. SENSITIVE PLANT (*Mimosa*).—Curious and interesting plants, with pinkish white flowers; the leaves close in and droop when touched or shaken; tender annual.

Pkt. 5 cts.

225. SNAPDRAGON (*Antirrhinum*).—One of our most useful and showy border plants. The recently improved varieties have large, finely shaped flowers of brilliant colors. Perennial.

Pkt. 5 cts.

226. SMILAX.—Charming climber for greenhouse or window gardens.

Pkt. 5 cts.

230. TEN WEEKS STOCKS (*Gilliflower*).—A world-wide favorite, brilliant and varied in color, equally well adapted for massing, bedding, edging or pot culture. Very profuse bloomers; should be grown in rich soil.

Pkt. 15 cts.

231. STOCKS—SNOWFLAKE IMPROVED.—A beautiful dwarf-growing variety; very large, double, snow-white flowers. Our seed of this variety is grown by a specialist and will produce a large percentage of double flowers.

Pkt. 15 cts.

235. SUNFLOWER (*Helianthus*).—Remarkable for the stately growth, size and brilliancy of their flowers, making a very good effect among shrubbery and for screens. The seed is also good for feeding poultry.

Pkt. 5 cts.

237. SWEET ROCKET (*Hesperis*).—Very pleasing, early spring flowering, profuse blooming plants, with fragrant flowers, growing freely in any light, rich soil.

Pkt. 5 cts.



240. SWEET WILLIAM (*Dianthus Barbat-us*).—A well-known, free flowering, popular favorite; the great improvements upon the old varieties made within the last few years have rendered it still more desirable. Hardy perennial.

Pkt. 5 cts.

243. SWEET VIOLET.—Deservedly much in demand, because of their profusion of bloom and delicate sweet odor.

Pkt. 10 cts.



245. VERBENA.—One of the most popular and useful bedding plants. Verbenas delight in a sunny situation, a rich soil, and thorough cultivation.

Pkt. 5 cts.

246. VERBENA.—Mammoth.

Pkt. 10 cts.

VINCA.—Small bushy plants, producing in quantities round single flowers the first season, if sown early. They may be potted and kept all winter.

250. VINCA ROSA.—Rose, with dark eye.

Pkt. 5 cts.

251. VINCA ALBA.—White, with crimson eye.

Pkt. 5 cts.

255. WALLFLOWER, DOUBLE.—Well-known, deliciously fragrant plants, with large spikes of double flowers, similar to the Gilliflower. Succeed in light, rich soil, in a moist atmosphere. Perennials.

Pkt. 10 cts.

CHOICE FLOWER SEEDS—CONT'D.

EIGHT 5c. PAPERS FOR 25c., or FOUR 10c. PAPERS FOR 25c.



258. ZINNIA ELEGANS (*Youth and Old Age*).—This is one of the most brilliant of annuals, and has long been a general favorite. The flowers are large, finely formed, in great variety of colors, and continue to bloom the entire season. Half-hardy annuals,

Packet, 5 cts.



259. "CURLED AND CRESTED" ZINNIAS.—*New, odd and superb.* Petals twisted, curled and crested into fantastic contortions and graceful forms. A magnificent variety of colors.

Packet, 5 cts.
8 packets, 25 cts.

260. ZINNIAS, DOUBLE POM-PON.—Long cone-shaped flowers, very fine.

Packet, 5 cts.



270. BALSAM APPLE (*Momordica*).—Very curious trailing vines, with ornamental foliage. fruit golden yellow, when ripe opens, showing the seeds and its brilliant carmine interior.

Packet, 5 cts.

272. BALLOON VINE (*Love in a Puff*).—A rapid growing plant; succeeds best in a light soil and warm situation; flowers white; half-hardy annual.

Packet, 5 cts.

275. CANARY BIRD FLOWER (*Peregrinum*).—With yellow, canary-like flowers; very ornamental and beautiful foliage; half-hardy annual.

Packet, 5 cts.

276. COBEA SCANDENS.—A beautiful rapid-growing climber, with handsome foliage and large bell-shaped flowers; blue; half-hardy perennial; 20 to 30 ft.

Packet, 10 cts. 3 packets, 25 cts.

278. CYPRESS VINE, RED (*Ipomea Quamoclit*).—One of our most popular vines, with very delicate, fern-like foliage, and masses of beautiful, small, star-shaped flowers. Sow last of May; 15 feet.

Packet, 5 cts.

279. CYPRESS VINE, WHITE.—Usually grown with the red, making a handsome effect.

Packet, 5 cts.

(282) MAURANDIA (*Barclayana*).—These charming climbers cannot be too highly praised for their beautiful flowers and foliage; they are admirably adapted for hanging baskets, vases or trellis-work



285. MIXED GOURD (*Cucurbita*).—Rapid growing interesting plants, with ornamental foliage and varieties of singular shaped fruit; annual.

Packet, 5 cts.

286. NEST EGG GOURD.—White fruit, shaped like an egg. Used as a substitute for nest eggs.

Packet, 5 cts.

287. DISH CLOTH GOURD.—Pkt. 5 cts.

288. DIPPER GOURD.—Pkt. 5 cts.

295. MOCK ORANGE.—Fruit shaped like an orange.

Packet, 5 cts.

300. MORNING GLORY (*Convolvulus Major*).—One of the most free flowering and rapid growing plants in cultivation, thriving in almost any situation; the beauty and delicacy of their brilliant flowers are unsurpassed; hardy annuals.

301. NEW BRAZILLIAN MORNING GLORY.
Packet, 10 cts.

302. JAPANESE MORNING GLORY.—Charming, large and brilliant flowers; vines growing 30 to 40 ft. high.
Packet, 10 cts.

305. MOON FLOWER (*Ipomea Noctiflora*).—Charming and popular blooming climbers, of rapid growth and showy effects; warm, rich soil, with a sunny exposure, suits them.

Packet, 5 cts.

310. TALL NASTURTIUM (*Tropæolum Major*).—Elegant, profuse flowering plants, constantly growing in favor for verandas, trellis, etc. The seed pods can be gathered while green and tender for pickling.

Packet, 5 cts.

320. SCARLET RUNNERS.—Very handsome climbing Beans, with bright scarlet flowers.

Packet, 5 cts.

SWEET PEAS.

One Packet of each of these 32 splendid varieties or 32 Packets for \$1.00.

The wonderful advance made in the size, substance and variety of colors in Sweet Peas in the past few years, have placed it in the first rank among flowering plants. But few plants are easier grown and grown in masses of separate colors or in mixture their beauty and fragrance cannot be surpassed.

We have made the selection of choice varieties of Sweet Peas a specialty and offer in our list an assortment that cannot be excelled.

CULTURE.—Sweet Peas should be sown in drills, *as early as possible in Spring*, in rich, friable soil. Prepare the bed thoroughly, working in a quantity of well rotted manure, if it can be done, making a furrow four to six inches deep. In this sow the seed and cover two inches deep. As soon as the plants begin to show through, fill in the furrow. This will secure a deep planting without the bad effect of deep covering of the seed at first, and so enable the plant to bloom continuously through the heat of summer. As fast as the flowers come into full bloom or fade, they should be cut off, for if the pods are allowed to form, the plants will stop blooming.

325. AMERICAN BELLE.—This novelty is distinct, showing an important departure from the coloring of other varieties, being distinctly spotted. The standard is clear, bright rose, of uniform coloring. Wings of crystal white with bright purplish carmine spots. The flowers are very large and finely formed.

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts.

331. APPLE BLOSSOM.—Large pointed flowers, shaded pink and rose, with the prevailing tints deepest in the clearly veined standards; most appropriately named.

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts.

350. BLANCHE BURPEE.—Pure white; very large flower. Pkt 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts.

343. BLUSHING BEAUTY.—Worthy to rank among the very finest. Flowers of largest expanded form, perfect in shape, and of very good substance. Color a delicate soft pink. A very lovely shade.

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts.

327. BLANCHE FERRY OR IMPROVED PAINTED LADY.—The demand for this magnificent variety continues unabated, which proves the wonderful hold it has on the popular favor. Color standard brightest pink, keel and wings white.

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts.

328. BOREATTON.—A very fine dark Pea with bold, stout flowers, color deep maroon. Distinct and beautiful.

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts.

329. BUTTERFLY.—New and ranks among the very best of this unrivaled class of plants. Very floriferous, color lavender blue, shading into white on the lower petals.

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts.

344. COUNTESS OF RADNOR.—Delicate lavender. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts.

346. EMILY ECKFORD.—A superb large flower. Standard heliotrope, suffused with blue; wings deep blue. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts.

326. EMILY HENDERSON.—Very early, color pure white, fragrance most delicious. The plants are robust, very branchy, and of compact habit, flowers large, broad and round, and its abundance of bloom is phenomenal.

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts.

345. FIREFLY.—Intense glowing crimson.

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts.



356. GAIETY.—Standards white, striped and flaked with rosy lilac; wings delicate blush.

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts.

347. HER MAJESTY.—Beautiful, soft rosy pink. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts.

338. INDIGO KING.—A strong growing and very prolific sort, bearing a profusion of large flowers with dark maroon standard and clear indigo blue wings. Very handsome.

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts.

339. INVINCIBLE SCARLET.—Plant vigorous, flowers of intense and brilliant scarlet-pink, of the largest size, the most brilliant variety yet produced.

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts.

340. INVINCIBLE WHITE.—The stock we offer produces very large flowers of fine form and pure white color.

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts.

357. LADY BEACONSFIELD.—A most beautiful and distinct variety. The standards are of a light salmon-pink, wings pale primrose-yellow.

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts.

355. LADY PENZANCE.—One of the most beautiful of Eckford's introductions. The standard is a beautiful laced pink, touching orange, while the wings are a darker and purer pink. Truly a superb flower of huge size, exquisite color, very striking and distinct.

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts.

337. LOTTIE ECKFORD.—New and a free bloomer, color lavender, shaded with pink and white. Very handsome.

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts.

354. MRS. ECKFORD.—Grand large flowers of the expanded form; color a peculiarly delicate, shaded primrose-yellow. Decidedly pretty and most desirable.

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts.

330. MRS. GLADSTONE.—The most delicately shaded variety of all. On opening, the flowers are buff and soft pink, changing to a beautiful pale blush. Standard pink deepening in color at the base, and wings flesh tinted.

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts.

ALL THE LEADING VARIETIES OF SWEET PEAS.

SWEET PEAS.—Cont'd.

348. MRS. SANKEY.—Black seeded. Large, white flower, changing to blush.

Pkt. 5 cts., oz. 10 cts., ¼-lb. 20 cts.

334. ORANGE PRINCE.—Of rare beauty; bright orange pink, flushed scarlet; wings rich rose, veined with pink.

Pkt. 5 cts., oz. 10 cts., ¼-lb. 20 cts.

333. PRIMROSE.—Distinct as the nearest approach to yellow in Sweet Peas. Standard and wings of a pale primrose-yellow color.

Pkt. 5 cts., oz. 10 cts., ¼-lb. 20 cts.

335. PRINCESS BEATRICE.—A vigorous grower and free bloomer, flowers of a clear and beautiful carmine-rose, slightly shaded, one of the best.

Pkt. 5 cts., oz. 10 cts., ¼-lb. 20 cts.

336. PRINCESS OF WALES.—New and a vigorous grower, color white ground shaded and tinged with mauve, making a very pleasing impression.

Pkt. 5 cts., oz. 10 cts., ¼-lb. 20 cts.

353. PRINCESS VICTORIA.—Standard dark cherry, wings mauve pink and slight lines of rose.

Pkt. 5 cts., oz. 10 cts., ¼-lb. 20 cts.

342. QUEEN OF ENGLAND.—Grand pure white flowers of extra large size, specially choice.

Pkt. 5 cts., oz. 10 cts., ¼-lb. 20 cts.

341. QUEEN OF THE ISLES.—Scarlet mottled and flaked with purple and white.

Pkt. 5 cts., oz. 10 cts., ¼-lb. 20 cts.

351. ROYAL ROBE.—Of finest form and largest size the flowers are borne in threes on long stems. Standards a rich but delicate pink, wings a soft blush-pink. A very lovely flower; an exquisite variety.

Pkt. 5 cts., oz. 10 cts., ¼-lb. 20 cts.

358. STANLEY.—A deep maroon; a large and very handsome flower of the finest form and abundance.

Pkt. 5 cts., oz. 10 cts., ¼-lb. 20 cts.

332. THE SENATOR.—Splendid, finely formed, large flowers, shaded chocolate and bright brown, and striped on a creamy white ground-color; mottled and blotched in every conceivable manner. In strong lights its markings take on an almost reddish hue.

Pkt. 5 cts., oz. 10 cts., ¼-lb. 20 cts.

349. VENUS.—Salmon buff; the standards delicately shaded with rosy pink.

Pkt. 5 cts., oz. 10 cts., ¼-lb. 20 cts.

360. EXTRA FINE MIXED.—This is a splendid mixture of our own, which includes nearly all the above varieties.

Pkt. 5 cts., oz. 10 cts., ¼-lb. 15 cts., lb. 50 cts.

NEW DOUBLE SWEET PEAS.

From the most carefully selected stock seed, saved only from the best plants bearing double flowers. We do not think however that more than one-third will produce double flowers. We now offer the following varieties:—

375, Apple Blossom; 376, Butterfly; 377, Duke of Clarence; 378, Senator; 379, Splendor; 380, White.

Per pkt. 5 cts.; 6 pkts. for 25 cts.

Also mixed double Sweet Peas 5 cts. pkt.; 6 pkts. 25 cts.
Oz. 15 cts.; ¼-lb. 40 cts.; lb. \$1.25.



A SINGLE PLANT OF CUPID.—Grown in a pot, engraved from a photograph.

Your attention is invited to the NEW DWARF SWEET PEA, "**CUPID**," which, unlike all others, grows only FIVE INCHES HIGH.

Cupid excites wonder wherever seen, — such a sweet Pea; yet in habit so unlike a Sweet Pea! It is true that its stems are short, but it has all the fragrance of the most favored Eckfords. The flowers are the size of the *Emily Henderson*, but *with more substance in the petals of both wings and standards than any other Sweet Pea*. It bears two and three blossoms on the end of each stem, all opening about the same time, so that it is unnecessary to pick a stem with a bud and an open blossom.

Cupid grown in a twelve-inch pot just fills the top—with its blooms of glistening whiteness it is wonderfully attractive in the house, the public hall, or the conservatory. In the garden it will be used chiefly as a border plant, for it will bear trimming to just the proper shape. The foliage alone is pretty enough for any border, but this is forgotten when **Cupid** bursts into a mass of snow-white blossoms, not unlike a very dwarf hedge covered with snow. Price, 10c. per pkt., 4 pkts. for 25c., oz. 60c.

NOTICE—This stock was grown specially for us, and the seed was tested, and grows all right.

OUR FLOWER SEEDS ARE SELECTED WITHOUT REGARD TO COST.

SUMMER FLOWERING BULBS.



Gladiolus.

The cultivation of the Gladiolus is very simple, as they will thrive in any good garden soil, but will amply repay one for careful cultivation. A succession of bloom may be had from July to September by planting at intervals from April to June.

OUR GLADIOLUS are from one of the largest growers in the country, and one who has the finest assortment to be had either in this country or Europe; therefore we claim ours to be unexcelled as to quality.

Mixed, all colors—Doz. 25 cts. 100, \$1.50.
White and Light colors—Doz. 40 cts.
100, \$2.25.

EXTRA WHITE AND LIGHT VARIETIES.—MIXED.—All first-class varieties, made up largely from best named sorts, including **ten per cent. of Snow White.**

10 cts. each. 60 cts. per doz. \$4.00 per 100.

When ordered by mail, add 10 cts. per doz. for postage.

Tuberous-Rooted Begonias.

The Tuberous-Rooted Begonias are among the handsomest of our summer-flowering bulbs. They are not grown to the extent they should be, as they require no more care than Geraniums, have as fine a range of color, and will bloom continuously throughout the summer, even when Geraniums droop through lack of moisture and fail to unfold their flowers. Planted either in the rockery or flower border, they rival the Geraniums with their rich and varied colors, ranging from the most delicate shade of yellow and salmon to the most striking crimson and scarlet. Those who have made a specialty

of these charming plants for several years and have tried them thoroughly, have no hesitation in saying they are destined to play a very important part in the bedding of the near future. They bloom profusely when planted out on rock-work or in the open ground, and have been a decided attraction.

Mixed Single, 10 cts. each. \$1.00 doz.

Mixed Double, 25 cts. each.

\$2.50 per doz.



A. BLANC

Tuberose.

One of the most fragrant and popular of the summer flowering bulbs; may be started early in hot-beds or pots, or planted in open ground after first day of May.

Each, 5 cts. Doz. 30 cts. 100, \$1.50. By mail, 40 cts. a dozen.

Dahlias.

We have a nice assortment of Dahlias of all the leading colors.

Mixed, small roots, 5 cts. each. 50c. doz.

Mixed, large roots, each 10 cts. Doz. \$1.00.

Named Colors.—Each, 15 cts. Doz. \$1.25.

Caladium Esculentum.

ELEPHANT'S EAR.

One of the most effective plants in cultivation for the flower border or for planting out upon the lawn; it will grow in any good garden soil, and is of the easiest culture. To obtain the best result it should be planted where it will obtain plenty of water, and an abundance of rich compost. Foliage light green. When full size it stands 6 feet high, and bears immense leaves 3 to 4 feet long by 2½ feet wide.

Extra large bulbs, 15 cts. each. By mail, 20 cts. Per doz. \$1.50.

First size bulbs, 10 cts. each. By mail, 15 cts. Per doz. \$1.00.

Small Bulbs, 5 cts. each. 50 cts. a doz.

Cannas.



DWARF FRENCH CANNAS.

If wanted by mail add 5 cts. each for postage.

Few flowering plants combine so many fine qualities as the modern Canna; a race of subtropical bulbous plants, of most easy culture, rapid reproduction, and good keeping qualities. Since the distribution by M. Crozy of his results from hybridization the floral world has been astonished by their luxuriance of foliage and gracefulness of bloom, which is of immense size, borne in large masses and trusses, combining in color the brightest and richest shades of yellow, red, orange and scarlet, bringing them to the front as the finest ornamental plant in commerce. Useful for the garden, green-house or sitting-room.

MADAME CROZY.—Flowers of a dazzling crimson scarlet, bordered with golden yellow; a marvellous and rich combination of colors. The plant is of vigorous growth, yet very dwarf in habit, rarely exceeding four feet in height. The foliage is of rich, cheerful green, and very massive. The flowers are produced in large branching stems, which are closely set with bloom, each stem being really a bouquet in itself. It is remarkably free flowering, and can be had in bloom the year round.

Each, 10 cts. Dozen, \$1 00.

PAUL MARQUANT.—One of the most pleasing on account of its large size and entirely distinct color. Its color is of a bright salmon scarlet, passing to a rosy carmine with a peculiar silvery lustre, which lights up the salmon very brightly. 3 to 3½ feet in height.

Each, 10 cts. Dozen, \$1 00.

ADMIRAL COURBET.—Flowers large, light yellow, spotted with crimson.

Each, 10 cts. Dozen, \$1 00.

FLORENCE VAUGHAN.—The finest yellow-spotted variety yet sent out; the foliage is massive and of a rich green color.

Each, 10 cts. Dozen, \$1 00.

QUEEN CHARLOTTE.—This new German sort is one of the handsomest scarlet varieties ever introduced, having a distinct Golden belt around each petal.

Each, 15 cts. Dozen, \$1 50.

DWARF FRENCH CANNAS.—(Mixed choice varieties.)

Each, 5 cts. Dozen, 50 cts.

Potted Plants, 10 cts. each, \$1 per doz.

TALL CANNAS.—Mixed red or green foliage.

10 cts. each; by mail, 15 cts. \$1 00 per doz.

If Cannas are wanted by mail, send 5 cents additional for postage on each.



AURATUM (The Gold-Banded Lily of Japan.)—Immense white flowers, each petal marked with a wide gold band and spotted with maroon, very sweet fragrance and free blooming. It is considered by many the finest Lily in cultivation.

Large Bulbs, 15 cts. each. \$1 25 per doz.

Extra Large Bulbs, 20 cts. each. \$1 50 per doz. Mailed free.



WHITE CALLA.—(Ready in July). The White Calla or Lily of the Nile is a well known plant of easy culture, and in winter is one of our best window plants. To aid profuse blooming, keep them dormant from the middle of June to last of August, repot in good rich soil, using a 4 to 6 inch pot, give water, light and heat in abundance, and the result will be most satisfactory.

Large Bulbs, 10 cts. each. Extra Large Bulbs, 15 cts.

BLACK CALLA.—Each, 25 cts. Ready about October.

By mail, 5 cts. per bulb extra for postage.

Lilies.

LILIUM SPECIOSUM RUBRUM.—White with rose centre. Each, 15 cts. \$1 00 per doz.

LILIUM SPECIOSUM ALBUM.—Pure white. Each, 15 cts. \$1 50 doz. Mailed free.

Choice Dutch Bulbs.

We are large importers of Dutch Bulbs, and our annual Catalogue of same, including Hyacinths, Tulips, Narcissus, &c., &c., will be ready in September. Mailed free on application.

STANDARD TEA ROSES.



AUGUSTA VICTORIA.

AUGUSTA VICTORIA.—One of the most desirable Roses of recent introduction. The flowers are produced in the greatest profusion, are of large size, of a creamy-white color, shading deeper towards the centre. It is a strong, healthy grower, with fine foliage, and will undoubtedly become popular both as a bedding variety and for forcing under glass.

LA FRANCE—Splendid satiny Rose; very large, full, fine form; a constant bloomer.

METEOR.—A rich, dark, velvety crimson Hybrid Tea; a free-bloomer and vigorous grower.

MADAME CAMILLE.—Pale flesh, changing to salmon Rose, shaded with carmine.

MARIE GUILLOT.—Pure white; a fine bedding Rose.

MARECHAL NEIL.—Large golden yellow.

SAFRANO.—Saffron yellow; beautiful in the buds; a well-known favorite.

NIPHETOS.—The White Rose par excellence—large pointed buds—very free-flowering. Particularly valuable for winter forcing and summer blooming.

PAPA GONTIER.—This is one of the most fashionable of our winter flowering Roses, but is equally useful for summer bedding. Color, a glowing carmine crimson.

PERLE DES JARDINS.—No Rose of its color is more valuable than this. Its color is a rich shade of yellow; large size and perfect form, Tea fragrance, a healthy, free grower, and unequalled in profusion of bloom.

THE BRIDE.—The Bride is a pure white Rose of large size and most perfect form. This variety has a most delicious fragrance, and is a strong-growing, free-blooming Rose either for summer or winter flowering.

BRIDESMAID.—This beautiful new Rose is a sport from Catherine Mermet, possessing all the good qualities of that popular variety, but surpassing it in color, being of a darker, richer color, a deep rich pink.

A most desirable acquisition and invaluable for winter forcing.

CORNELIA COOK.—Perhaps the finest white Rose; flowers very large.

GOLDEN GATE.—Creamy white, tinted yellow; petals edged with rose.

HERMOSA.—Pink. A grand bedding Rose, prolific in blooming, and almost entirely hardy, having lived for years in the New York cemeteries.

QUEEN PINK AND WOOTEN.

Price of each of the above Roses, 15 cents each; four for 50 cents; \$1.25 per dozen.

FLOWER TUBS.

Made of Cypress. Never Decay or Fall Apart.



NO. 1—PLAIN.

Natural varnish finish on the wood, or if wanted can finish them in oil paint, but to order only.

12 in. diameter by 11 in. high, each.....	\$1 00
15 " " " 14 " " "	1 50
18 " " " 16½ " " "	2 00
21 " " " 18½ " " "	2 50
24 " " " 20½ " " "	3 00

ROSES, &c.



CRIMSON RAMBLER.

Hardy Climbing Roses.

CRIMSON RAMBLER.—This rose has already made an impression as one of the grandest garden varieties introduced for years. It is of Japanese origin and quite hardy, with strong shoots, that climb high in a season, or may be cut back into handsome bush form. The foliage is noticeably distinct and handsome, light glossy green, thick and leathery. The flowers are produced in great pyramidal panicles of brilliant crimson. Each one is a perfectly double little rosette, and from thirty to forty are usually massed in one truss. As a decorative pot plant it is also strikingly effective.

15c. each, 4 for 50c., \$1.25 per doz.

BALTIMORE BELLE.—Pale blush, shading to rose color; very double flowers in large clusters. 15c. each, 4 for 50c.

GREVILLEA, OR SEVEN SISTERS.—Flowers in clusters, opening a light rose color, changing to pure white. 15c. each, 4 for 50c.

PRAIRIE QUEEN.—Bright carmine-pink; full, globular flowers of fine size. A fine Rose for all sections. 15c. each, 4 for 50c.

TENNESSEE BELLE.—Blush of good size, flowers in clusters. 15c. each, 4 for 50c.

CHAMPNEY, PRIDE OF WASHINGTON, RUSSELLS COTTAGE, SUPERBA.

15c. each, 4 for 50c., \$1.25 per doz.

One each of the above 9 varieties for \$1.00

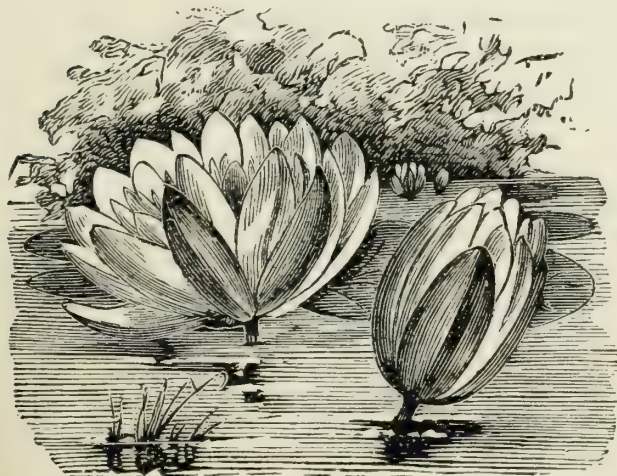
Hardy Water Lillies.

NYMPHÆA ODORATA.—The well-known, fragrant pond lily. Its lovely, pure white flowers, so common in some locations, is worthy of a place among the choicest varieties where cultivated. All Nymphæas of this type are useful for naturalization

15c. each, 4 for 50c., \$1.25 per doz.

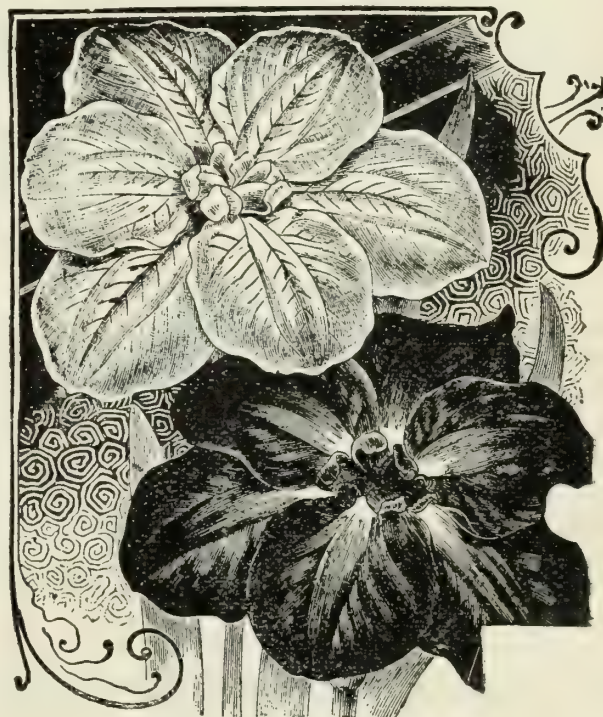
NYMPHÆA ODORATA GIGANTEA.—This is a superb variety and should be in every collection, similar in all respects to N. Odorata, but the flower is very large and full. A Southern variety of the N. Odorata type.

15c. each, 4 for 50c., \$1.25 per doz.



NYMPHÆA ODORATA MINOR.—A pretty little variety of our native pond lily, equally as hardy and fragrant, but the flowers and leaves are much smaller.

15c. each, 4 for 50c., \$1.25 per doz.



Iris Kæmpferi.

JAPANESE IRIS.—These magnificent Japanese Iris are among the most beautiful of our summer flowering plants and are destined to become great favorites. They commence flowering early in July and continue in bloom for five or six weeks if plentifully supplied with water, while growing and flowering. Many of these flowers measure from ten to twelve inches in diameter and almost rival the orchids in their rich colorings and markings. 15c. each, 4 for 50c.

Nursery Department.

HAVING engaged the services of an experienced nurseryman, we are now prepared to furnish our patrons with a full line of Fruit, Shade and Ornamental trees and Roses at greatly reduced prices, and saving to the customer the agents' commissions. Our stock will be first-class in every respect, as we deal only with the best houses.

Special prices in large lots.

As our space is limited we will describe a few of the choicest kinds, but give below the names of other varieties well known to the public.

When the purchaser is not well acquainted with the fruit by name, he would do well to leave the selection to us, briefly stating at what season he wishes the fruit to ripen; and in such case we will exercise our best judgment in making a ju-



icious and profitable selection of the standard sorts of good trees.

Prompt attention will be given to all letters requesting information.

It is expected that orders for trees from those with whom we have no acquaintance will be accompanied with the cash or a suitable reference.

Our customers are requested to notify us instantly of any errors that may be committed in filling their orders, so that we may at once make ample amends, as we desire to conduct our business in all respects satisfactorily to those who favor us with their confidence.

Address all orders for Nursery Stock to

Nursery Department,
GRIFFITH & TURNER CO.

SUMMER APPLES.

Yellow Transparent.—A Russian apple of great value; above medium size, roundish oblate; slightly conical; skin a clear white, changing to a pale yellow when fully matured; a remarkably early bearer; very prolific; tree a vigorous and upright grower; gives general satisfaction; does well everywhere, and ripens among the earliest. July. 50 cts. each. \$4.80 doz.

Early Harvest.—Rather large, round; yellow; flesh nearly white, tender, juicy, crisp, with a rich, sprightly, subacid flavor; tree a moderate grower and very productive; taking all its qualities into consideration, this has no superior among early apples. June and July. 50 cts. each. \$4.80 doz.

AUTUMN APPLES.

Gravenstein.—Large, roundish, striped with red; flesh tender, juicy, very rich, subacid, high flavor; productive, handsome and excellent; fine in all localities. August. 25 cts. each, \$2.40 doz.

Oldenburg. (*Duchess of Oldenburg*).—A Russian variety of very handsome appearance and great value; tree very hardy, vigorous, and an abundant bearer; fruit medium to large, golden yellow, nearly covered with streaks of crimson; flesh tender, juicy, pleasant; valuable for market. August. 50 cts. each, \$4.80 doz.

WINTER APPLES.

Lankford's Seedling.—Origin Kent Co., Md. Tree hardy and a good bearer, bearing annual crops; fruit of large size, striped; quality excellent; keeps till April. This new sort possesses many valuable qualities, and will no doubt become a popular sort for late winter use. 50 cts. each. \$4.80 doz.

York Imperial.—Medium; whitish, shaded with crimson in the sun; firm, crisp, juicy, pleasant, mild subacid. Tree moderately vigorous and productive. A popular Pennsylvania variety. November to February. 50 cts. each. \$4.80 doz.

Mammoth Black Twig. (*Arkansas Paragon*).—Originated in Arkansas. A seedling of the Winesap, which it resembles, but it is superior in many ways. Large, deep red; subacid; early and abundant bearer, and a good keeper; the tree is a strong grower and roots well. This valuable winter apple has few equals. December to April. 50 cts. each. \$4.80 doz.

ADDITIONAL VARIETIES.

Red Astrachan, S. Carolina Red June, S. Tetofsky, S. Fall Pippin, A. Smokehouse, A. Ben Davis, W. Bentley's Sweet, W. Berry Red, W. Fallawater, A. Winesap, W. Nansemond Beauty, W. Rome Beauty, W. 25 cts. each. \$2.40 doz. \$18 per hundred.

Crab Apples, 60 cts. each. \$6 doz.

PEARS.

Blight Proof.—This ironclad against blight is indeed an acquisition. It seems to have inherited all the health and vigor of its parent, the Sand Pear. The fruit is large to very large, conical, smooth, with beautiful greenish yellow surface; flesh is tender and very juicy; the tree is an upright, strong and handsome grower; bears young and enormously. Should be in every collection where a good fruit and annual bearer is desired. First-rate for market. August and September. 75 cts. each. \$7.20 doz.

Garber.—A seedling of the Japan Hybrid, raised by Dr. J. B. Garber, of Pennsylvania; resembles Keiffer, yet is larger, of better quality and very productive, and especially valuable for canning. Tree a strong grower, bears early and abundantly. Bound to win favor for market. Free from blight. September and October. 75 cts. each. \$7.20 doz.

Keiffer, Flemish, Beauty, Bartlett, Seckel. 50 cts. each. \$5.00 doz.

Nursery Department.—Cont.

PEACHES.

Crosbey. (*Excelsior, Frost Proof.*)—This valuable peach has been tested for ten years in the bleakest parts of New England, and in each case has proved itself to be first-class in every way. In 1886 and 1890, when there was a total failure of the peach crop from the late frost, the Crosbey bore its regular heavy crop. Being almost frost proof it should be planted generally. The fruit is medium size, bright yellow, splashed and streaked with carmine on the sunny side; the flesh is firm, sweet and delicious; stone very small; an enormous bearer. It ripens between Early and Late Crawford. 50 cts. each. \$4.75 doz.

Champion.—This new peach comes from Illinois, recommended as an iron clad against frost, as in 1890, when there was a total failure of the peach crop, it bore heavily. It has stood a temperature 18° below zero and bore well the following season. Fruit is of large size; skin creamy white, with red cheek, the flesh is white, rich and juicy; a perfect freestone and good shipper. July. 50 cts. each. \$4.75 doz.

Below will be found a few additional varieties considered the best of the old well known sorts, about in their time of ripening:

Alexander, Louise, Yellow St. John, Mountain Rose, Early Silver, Crawford Early, Family Favorite, Chinese Cling, Old Mixon, Wheatland, Crawford Late, Chairs Choice, Reeves Favorite, Christiana, Smock Free, Globe, Ringgold Cling.

Price, 18 cts. each. Per doz., \$2.00. Per 100, \$12.00.

JAPANESE OR ORIENTAL PLUMS.

This new strain of Plums has been received with general favor, and in the South, where the European kinds do not succeed as well as at the North, they have proved a blessing. In some sections where the Chickasaw or native kinds (Wild Goose, etc.) only are successful, the Japanese kinds are especially welcome, as they rate up in quality quite well with the very best European varieties.

The Japanese Plums, with the exception of one kind, are extremely hard and vigorous, bearing early and abundantly annual loads of rich, luscious fruit, ripening from early in June to September.

One very valuable quality of the Japanese Plum is, that the wound made by the curculio (an enemy to Plum culture everywhere), does not seem to affect the Japan kinds to the same extent as European and other kinds; while they are not curculio proof entirely, yet for some reason the wound soon heals and the fruit matures perfectly. This may be attributed to the extremely strong and vigorous nature of both tree and fruit, as it appears to be able to resist and outgrow the trouble. But with the improved pumps and spraying apparatus, now so largely in use, there need be no fear of curculio or other fruit pests if directions on page 60 are followed.

Botan or Abundance.—Lemon-yellow ground, nearly overspread with cherry, with heavy bloom; flesh yellow, very juicy; subacid, with apricot flavor; highly perfumed; stone small; the tree is exceedingly hardy and bears regularly; nearly curculio proof; early and heavy bearer; the best of its class. First of August.

Simonii. (*Apricot Plum.*)—Origin China. Fruit large, tomato-shaped, cinnamon-red color; flesh is firm, sweet, aromatic, the flavor is delicious and not found in any other plum, being similar to that of a pineapple, nectarine and banana; a beautiful and valuable plum. We believe it has come to stay; tree a strong grower, bearing young.

Burbank.—Resembles the Abundance in many ways; globular, large, cherry red, with slight lilac bloom; flesh deep yellow, very sweet with pleasant and agreeable flavor; strong grower; bears early, often at second year. September 1st. Price, 60 cts. each; \$1.50 for 3; \$2.75 for 6. \$4.50 per doz.

Additional varieties including **Shropshire Damson.** Price, 50 cts. each. \$5.00 per doz.

CHERRIES.

Heart—Black, Tartarian, Gov. Wood, Napoleon, Bigareau, Florence, Early Purple.

Duke and Morello—Dye House, Belle Magnifique, Early Richmond, Montmorency.

Price, 50 cts. each. \$4.50 per doz.

Apricots, (Russian varieties)—Nectarines—Quinces, consisting of Meech Prolific, Rea and Champion. 50 cts. each. \$4.50 per doz.

NUT-BEARING TREES.

All over the country there is a rapidly growing interest in nut culture. The demand for nuts is great; the markets are poorly supplied, and the prices too high. Palatable and wholesome as they are, they should become a common article of food here, as in Europe.

Spanish Chestnut, English Walnut, Paper Shell Pecan, Filberts. Price, 40 cts. each.

GRAPES.

The following list contains the best known sorts of hardy American varieties:

Brighton, red—Concord, black—Delaware, red—Martha, white—Worden, black. Each, 25 cts. 6 for \$1, 12 for \$2.00.

Moores Early, black—Niagara, white—Pocklington, white—Verginnes, red—Champion, black. Each, 40 cts. 6 for \$2.25. 12 for \$4.

SHADE AND ORNAMENTAL DEPARTMENT.

Shade Trees.—8 to 10 ft. Each, 75 cents to \$1.00, according to variety.

Evergreens.—2 to 2½ ft. Each, 60 to 75 cents, according to variety.

Shruberry.—30 to 50 cents each, according to variety and size.

Vines.—20 to 60 cents each, according to variety and size.

STRAWBERRY PLANTS.

Varieties marked "P" should have another perfect flowering sort near them.

These varieties are unsurpassed. Our prices are not to be compared with those offering the poor, weak, cheap stock usually sold, as these are many times superior, being fresh dug and shipped direct from our nursery.

At rates per dozen will be mailed free. At 100 rates add 25 cents per 100 to cover postage, expenses, etc.



POT-GROWN PLANTS will be ready for delivery after August 1st. Prices for pot-grown plants are from \$2.50 to \$4.00 per 100, according to variety.

OUR FAMILY COLLECTION.—This collection has been made after years of trial and will give a continuous crop for six weeks. The following varieties are the choice ones of their respective season, from early to late. Varieties marked (P) should have a perfect flowering sort planted adjoining them.

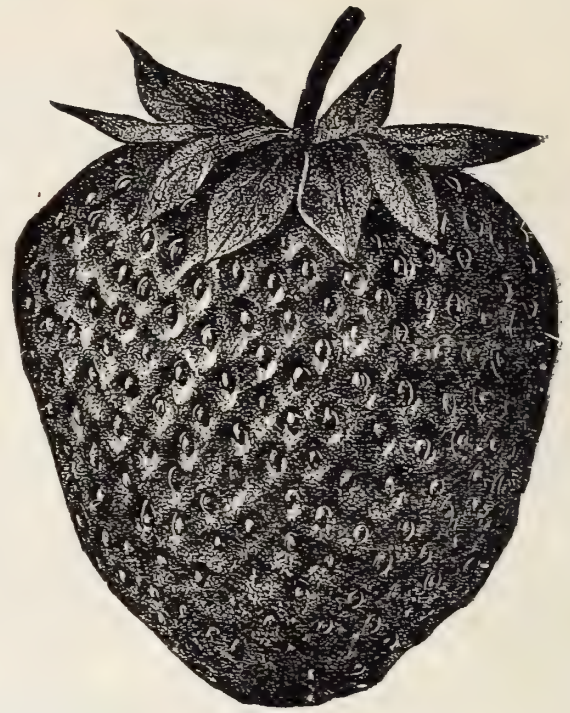
WEEKS EARLY.—This is the earliest berry with us, and is of good size, productive, a choice table sort, and with us in 1896, gave a good picking every other day for 15 days.

TENN. PROLIFIC.—This is a splendid berry and is excelled by none during its season. A large berry, sweet, firm, extra bright color, a strong grower and heavy producer. It is very attractive, and of uniform size and color, ripens to the end.

BUBACH (P).—This is the standard berry wherever grown. It is very large, very dark red, sweet and an exceedingly strong grower, with very large dark foliage. Ripens from medium to late, and on account of size, color and sweetness is one of the best.

GANDY.—This late berry is a vigorous grower, has large fruit of good color. Ripens after others have gone. It is fine for canning or table use and prolongs the season of strawberries to the very latest. In the latitude of Baltimore or Philadelphia these four varieties will fruit from May 18th to July 1st.

Prices of above four sorts, 40 c. per doz.; 75 c. per 100; \$4 per 1000. By Express only.



GLEN MARY NEW.—A very large variety, larger than Sharpless or any other berry. In quality it is equal to the best and surpasses even the Crescent for productiveness in quarts of berries. In 1896 it gave 12,000 quarts to the acre during the season. At its home in Chester county, Pa., it begins to ripen about May 28th. Everyone should try at least one dozen plants. Price, doz., \$1.00; 100, \$5.00.

SELECTED STANDARD VARIETIES.

NOTE.—In this selection we give varieties generally well known and of tried excellence, therefore the descriptions are brief.

TIMBRELL (P).—This sort, although somewhat new, has been widely advertised and become so popular we place it with our standard sorts. Fruit is very large, of bright red or crimson color, quality of the best and decidedly sweet. It has proved very popular over a wide extent of the country, having been tested nearly everywhere the strawberry grows. Price, 40c. per doz.; 100, \$1.00; 1000, \$4.50.

BRANDYWINE.—A very late large sort, one of the best for its season; a strong grower and productive. Price, by express, 40c. per doz.; 75c. per 100; \$4.00 per 1000.

MARSHALL.—Medium to late in season and berries of the largest size. This variety has taken high rank. A strong grower and very productive. Fruit ripens early all over and is a dark red. Do not fail to plant some of these. Price, 50c. per dozen; \$1 per 100; \$4.50 per 1000.

BEDERWOOD.—Early and of medium size; a standard sort. Price, 35c. per doz.; 75c. per 100; \$3.75 per 1000.

DAYTON.—This is a very desirable sort on account of being early and exceedingly sweet. It ripens perfectly and is unexcelled during its season for table use. Price, 40c. per doz.; 75c. per 100; \$3.75 per 1000.

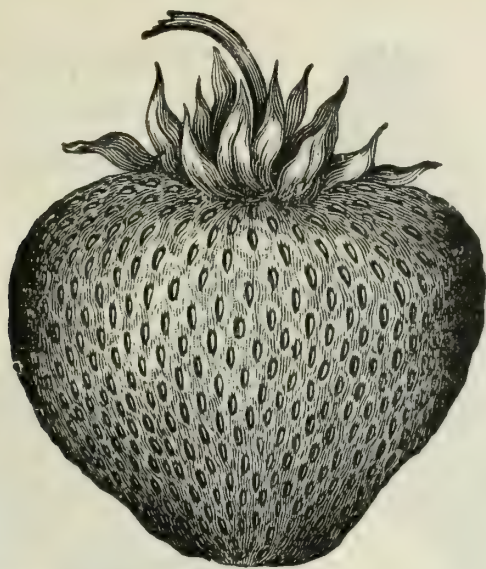
GREENVILLE (P).—Mid season, size large and one of the best we had during 1896. This variety rivals the Bubach and should be in every garden. Price, 40c. per doz.; 75c. per 100; \$3.75 per 1000.

HAVERLAND (P).—Early in season, size large and quality good. Price, 40c. per doz.; 75c. per 100; \$3.75 per 1000.

H. W. BEECHER (P).—Mid-season, size large; the color is dark red and for productiveness is one of the best. Always plant some of this variety. Price, \$1.00 per 100; \$5.00 per 1000.

POT-GROWN STRAWBERRY PLANTS READY IN AUGUST.

STRAWBERRY PLANTS.—Continued.



JESSIE.—Mid-season; good size and productive. Price, \$1.00 per 100; \$4.50 per 1000.

NEW LADY FINGER.—A very long berry of beautiful appearance and very valuable because of its habit of holding good size to the end of the season. In season from medium to very late.

LADY THOMPSON.—Ripens in season from medium to late. This is a good sort for general planting. Vigorous and productive. Price, \$1.00 per 100; \$5.00 per 1000.

MICHEL'S EARLY.—Very early, ripening here May 18th, in 1896. For the first berries for table use it cannot be excelled. We can recommend this sort for everyone for garden or field.

PARKER EARLE.—This is a large sort, of wonderful productiveness; size large and color very dark. On account of late ripening it should be in every garden and plantation.

SHARPLESS.—A very large berry, known by everybody; one of standard excellence and needs no description.

SHUSTER'S GEM.—Mid-season, size medium, a standard sort.

WOOLVERTON.—Ripens in mid-season, is medium to large in size. Should be in every collection.

Prices on above sorts where not given, 35c. per doz.; 75c. per 100; \$3.75 per 1000.

Blackberries.

WILSON, Jr.—The largest known variety, of fine appearance and ripens very early. Very productive and good quality. By its low, trailing habit of growth it is easily protected in winter and well adapted on that account to cold climates.

KITTATINY.—A very popular sort for general planting, and still growing in popular favor, especially for family use. Very strong grower; berries large and fine flavor; exceedingly productive. Season extends from medium to very late.

LUCRETIA (Dewberry).—As early as Early Harvest and as large as Wilson. Shiny jet black, melting and delicious quality, devoid of core. Plant is entirely hardy, healthy, strong grower and very productive.

Price by mail, 10 cts. each, 3 for 25 cts., 12 for 75 cts. Price by express, \$1.50 per 100.

JAPAN WINEBERRIES.—This fruit is but little known, but should be in every garden. It is wonderfully productive. At this date, June 20th, our beds are one solid mass, about 3 feet high, and covered all over the top with fruit as thick as clover in blossom.

Price by mail, prepaid, \$2.00 per doz.; by express, \$12.50 per 100.

Raspberries.



BLACK PROGRESS (Pioneer).—The best very early jet black Raspberry. Good quality, ripening with Souhegan, stronger grower and more prolific; very valuable market variety; extremely hardy.

Price by mail, 10 cts. each, 12 for 75 cts. Express, \$1.50 per 100.

GOLDEN QUEEN.—The best yellow Raspberry. Very large, exquisite beauty, very good quality, hardy and very productive, very strong grower and succeeds well in the South and Pacific Coast, as well as in colder climates.

Price by mail, 10 cts. each, 12 for 75 cts. Express, \$1.50 per 100.

CUTHBERT, GREGG, OHIO AND SOUHEGAN.—10 cts. each, 75 cts. per doz., by mail. By express, \$1.50 per 100.

Currants.

CHERRY.—The most popular market sort. Bunch and berry very large, bright red; bush healthy, vigorous and productive.

Price by mail, 10 cts. each, 12 for \$1; by express, \$5 per 100.

FAY'S PROLIFIC.—The best red Currant. Strong grower, wonderfully productive and comes to bearing young; fruit large, bright red and good quality.

Price by mail, 20 cts. each, 3 for 50 cts.; by express, 12 for \$1.50.

WHITE GRAPE.—The largest and best white Currant. Bunch large; berries large, handsome, translucent and excellent quality. Strong grower and very productive.

Price by mail, 10 cts. each, 12 for \$1; by express, \$5 per 100.

Gooseberries.

If wanted by mail add 15 cts. per dozen.

DOWNING.—The best of the American sorts and a vast improvement upon the Houghton, of which it is a seedling. Fruit large, pale green, and of excellent quality, both for cooking and table use. Bushes stocky, vigorous, hardy, very prolific.

10 cts. each, 2-year, \$1 per doz., 7.50 per 100.

HOUGHTON'S SEEDLING.—A native variety, prolific bearer, light-colored fruit, impervious to mildew.

75 cts. per doz., \$5 per 100.

Thoroughbred Stock AND Poultry.

PURE BRED SHROPSHIRE SHEEP.



No sheep of to-day are attracting the attention of successful breeders and progressive farmers like the Shropshire class. Being the finest combination of a producer of both choice mutton and wool, they naturally yield better profits for those who breed them. Last season the average clip of our flock was nine and a-half pounds to the fleece. Our flock is headed by a very choice ram, who was sired by a prize winning ram in England.

Prices—Single Buck or Ewe Lamb, first choice, \$15; second choice Lambs, \$12.50.

PURE BRED BERKSHIRE PIGS.

As a distinct breed the Berkshire is one of the oldest and best, and in fact its merits as a producer of sweet meat, with the lean and fat nicely intermingled, are too well known to need comment. As a farmer's hog, they have few equals.

Prices—First choice Pigs, eight to ten weeks old, \$8.00 each; trio mated not akin for breeding, \$21.00.

Service boars and sows ready to breed and bred. Prices on application.

Pure Bred Poland China Pigs.



This breed, acknowledged to be the best large black hog, is a general favorite with all who have tried them. The sows are prolific breeders and good mothers, raising in many instances an entire litter. Our stock is choice.

Prices same as Berkshires.

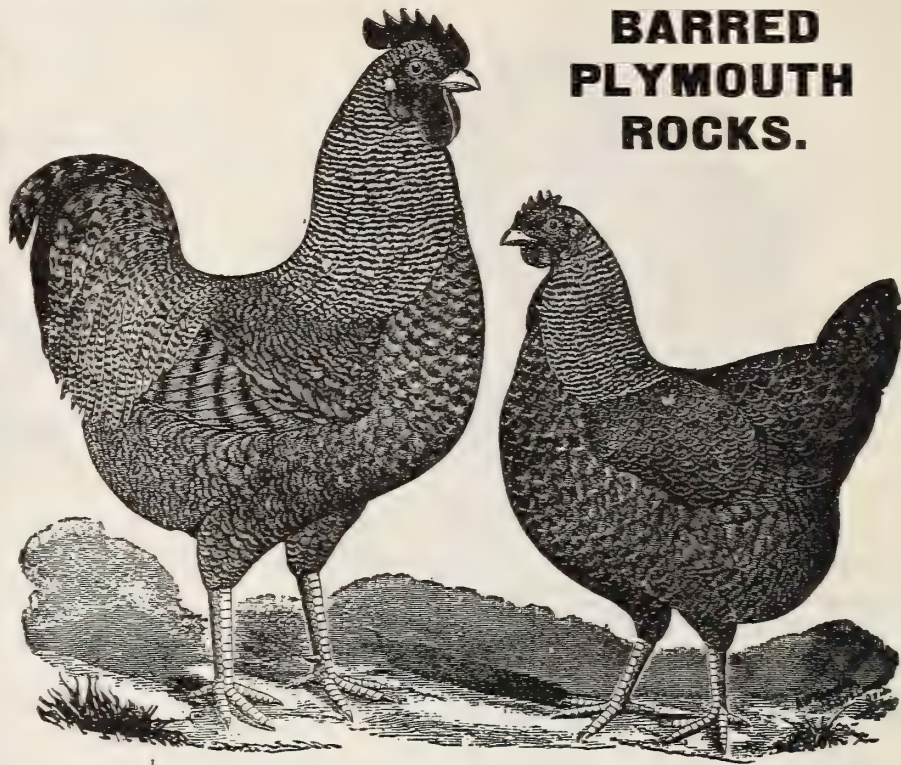
Brown Leghorns.

The characteristic features of these birds is their wonderful egg producing qualities, and early maturity, pullets beginning to lay when only four or five months old.

13 eggs for \$1.50.

Cockerels, \$1.50 to \$2.00 Trio, \$3 50.

BARRED PLYMOUTH ROCKS.

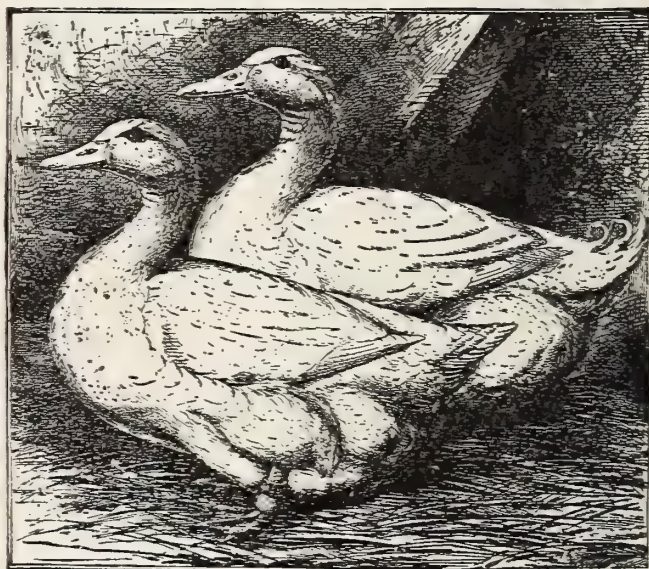


The Barred Plymouth Rock is perhaps the most popular and widely known variety of fowls bred in America. In almost every barn-yard flock of fowls you will find specimens which their owner vows to be the pure and genuine Plymouth Rock. They are justly styled the "Farmers' Fowl." We believe we have as fine a strain of Barred Plymouth Rocks as can be found in the United States. After the age of ten to twelve weeks, when they make the best of broilers, there is no stage of their growth when they are not salable for market purposes. Having a fine yellow skin, and being large breasted, makes them one of the best table fowls in the market. They are the best all year-round layers. We have three yards of these fowls, and will furnish eggs from either as follows, eggs packed in stout baskets ready for Express:

13 eggs for \$2.00. 30 for \$4.00.

Cockerels, \$3.00 to \$5.00.

Good Cockerels, \$2.00. Trio, \$6.00 to \$8.00.



PEKIN DUCKS.

Male, \$2 00 each.

Females, \$1.50 each.

EGGS, - - per 11, - - \$1.25

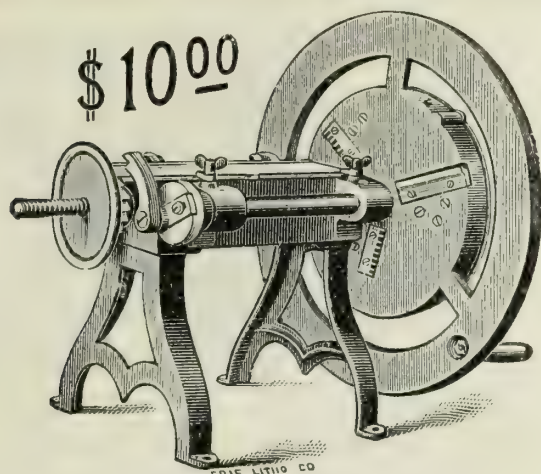
per 22, - 2.00

EGGS securely packed for shipping via Express to any part of the country.

FOWLS shipped in slat covered coops so as to secure for customers the low Express Rates as issued by the Express companies in November, 1895.

POULTRY SUPPLIES, &c.

THE DANDY GREEN BONE CUTTERS.



This is one of the simplest and best cutters made, has automatic feed.

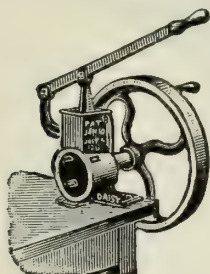
No. 1.....\$10 00 No. 2.....\$12 00
No. 3, for hand and power..... 18 00

OUR No. O MACHINE.

This is a splendid machine for the money. The knives are made of the best tool steel and finely tempered.

Price, with Balance wheel.....\$7 00
without 5 00

WILSON'S DAISY GREEN BONE MILL.



This machine is especially made for cutting Green Bone with meat on, right from the butcher, or offals of bone and meat from the table. The knives can be taken out when dull, sharpened and replaced in a few minutes. A large or small bone can be cut up at once.

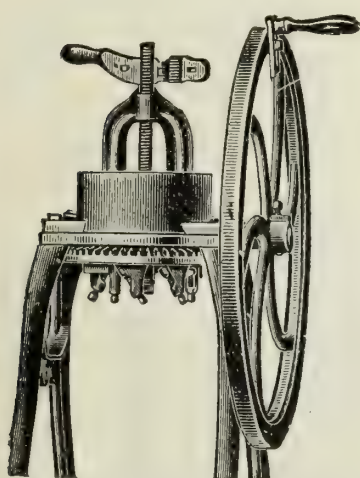
Turns easy; cuts fine and fast.
Capacity, $\frac{1}{2}$ lb. a minute.

With Stand.....\$16 00
Without Stand..... 14 00

THE CROWN BONE CUTTER.

Cuts easy, fine and fast. Has steel knives; can be taken out, sharpened and replaced in a few minutes.

Price, without Stand.....\$6 50
with 8 00



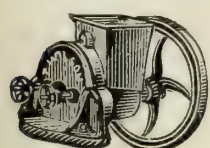
MANN'S STANDARD BONE CUTTER,

No. 2.

PRICE, - \$18.50

Mann's No. 1 Bone Cutter, with Crank\$ 5 00
" " 3 " " 10 00
" " 1 " " Balance Wheel.... 7 00
" " 3 " " 12 00

We recommend the balance wheel, as its momentum assists in cutting, and makes it run easier and better.



No. O—FOR GRAIN ONLY.

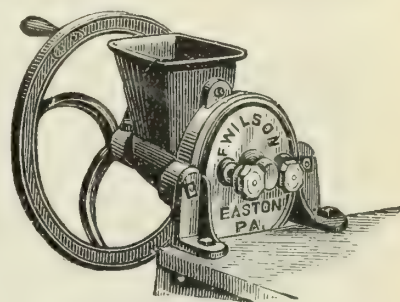
An excellent mill for grinding grain of all kinds.

Price.....\$4 00

WILSON'S BONE AND SHELL MILLS.

Grinds oyster or clam shells and dried bones, and is an excellent mill and largely used. Will also grind corn.

Price.....\$4 00



JAPANESE NEST EGG GOURD.



These exactly resemble the eggs of hens, making a capital nest egg; superior to glass eggs, as they do not break and are uninjured by cold or wet. The plant is a rapid growing climber.

Pkt.....5 cts. 8 pkts.....25 cts.

PORCELAIN NEST EGGS.

The best and cleanest nest egg used.
Each.....5 cts. Dozen.....25 cts. By mail.....50 cts.

FRENCH POULTRY KILLING KNIFE.

The most expeditious and humane way of killing and dressing poultry is by the French method. These knives are made of the finest steel.
Price, with instructions.....50 cts. each.



LEG BANDS.—FOR MARKING FOWLS. PRICE, 50 CENTS PER DOZEN.

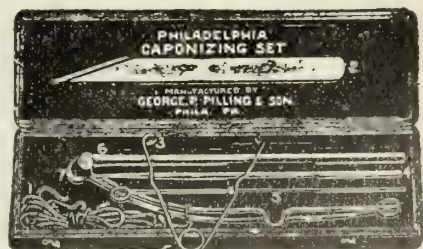
POULTRY MARKER.

This little instrument is used for marking young and old chickens. It is invaluable to breeders and farmers. They are made in two sizes for large or small chicks, nickel plated, have steel cutter and spring, and are made small and neat to carry in the vest pocket.

Sent by mail on receipt of price. Price, 25 cts. each.

CAPONIZING TOOLS—How to Caponize.

Every poultry man knows that *Capons* are much larger fowls, sweeter and finer meat and sell at a much higher price. You can do your own caponizing easily, and our book sent with each set tells all about it. Sent free with the set of instruments,



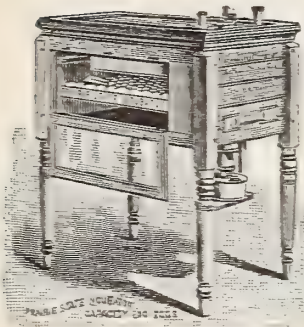
PRICE, LEATHER CASE, \$2.50.

GAPE EXTRACTOR.

PRICE, 25 CENTS EACH.



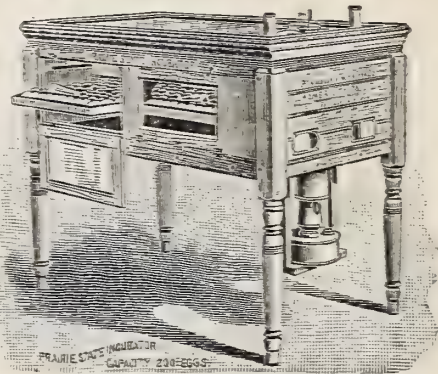
PRAIRIE STATE INCUBATORS AND BROODERS.



100 EGG INCUBATOR.

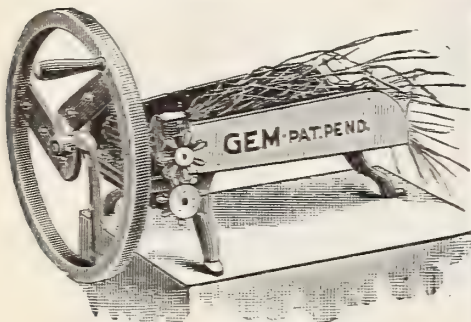
and most improved pattern. Address,

The largest poultry breeders and the largest duck raisers in the United States, if not in the world, use our machinery exclusively, many of them having 10, 20, 30, 40 and as high as 56 machines in use. Have been awarded 140 first premiums in the strongest competition. Prices are reasonable and within the reach of all. Special 152-page catalogue, containing 261 illustrations, giving full particulars, will be sent upon request. Every machine warranted. Incubators made in all sizes. Special Duck machine for duck raisers.



200 EGG INCUBATOR.

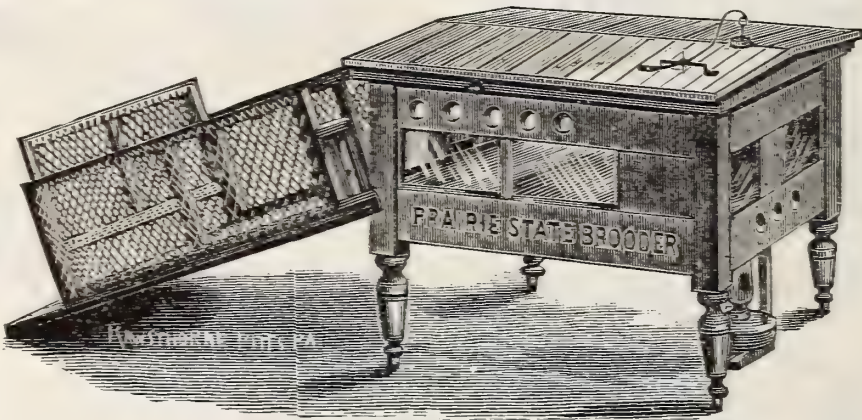
GRIFFITH & TURNER CO., BALTIMORE, MD.



GEM CLOVER CUTTER.

Best in the world. All iron and steel. Cuts green or dry fine, even and easy.

PRICE, - - \$9.00
" WITH LEGS, 10.00.



THE PRAIRIE STATE HOT AIR BROODER.

Self-regulating top and bottom heat. This Brooder is intended for indoor work only. They will do the work satisfactorily, and as they are well made and finely finished can be placed in any building, or moved from one place to another.

INCUBATORS.

No.	Capacity.	Weight.	
0 Incubator	50 eggs	120 lbs.	...\$20 00
1	100 "	135 lbs., ready for shipment..	25 00
2	200 "	240 "	.. 40 00
3	300 "	380 "	.. 56 00
4	" double 400 "	480 "	.. 70 00
5	" 520 "	580 "	.. 80 00
288	" Special Duck 288 "	475 "	.. 62 00

Less Twenty Per Cent.

INCUBATOR THERMOMETERS.

Reclining tested incubator thermometers, 50 cts. each; postpaid, 60 cts. each.

HYGROMETER.

This is a valuable instrument, for incubators' use, and also for ascertaining the amount of moisture in the air of the living room. Price, \$1.50.

EGG BASKETS.

These are light yet strongly made, and are furnished with cardboard divisions for the eggs. Each division is large enough to allow for convenient packing with "Excelsior" or other material, thus making the eggs absolutely secure when shipped by express. Sizes: one and two sittings, furnished with strong wood handles for each basket. A cardboard cover, printed in bold letters, "Eggs for Hatching—Handle with Care," goes with every basket. One-sitting complete, 20 cents each, \$2.00 per dozen; two-sittings complete, 25 cents each, \$2.50 per dozen.



BROODERS.

HOT-AIR, SELF-REGULATING, WITH RUNS.

No.	Capacity.	Weight.	
1.	100 chicks,	100 lbs., crated....	net, \$14 00
2.	200 "	120 "	20 00

SECTIONAL HOT-WATER PIPE BROODERS, NO RUNS.

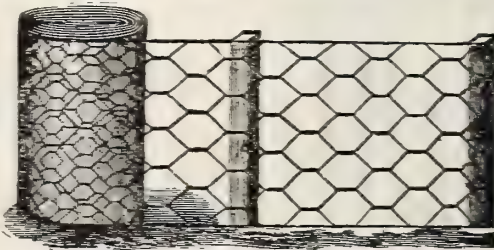
No.	Capacity.	Weight.	
1, one section,	100 chicks,	110 lbs., crated.....	\$14 00
2, two "	200 "	210 "	19 00
3, three "	300 "	310 "	24 00
4, four "	400 "	410 "	29 00

Discount Ten Per Cent.

Hot-Water Outdoor Brooder, capacity 100 to 150 chicks, weight 225 lbs.....net, 20 00

POULTRY NETTING.

For Enclosing Poultry Yards.



The Wire we offer is all No. 19, double twist, 2-inch mesh, thoroughly galvanized after weaving. Sold in bales of 150 running feet.

Prices, 2-inch Mesh.

12 in. wide.....	150 sq. feet.....	\$ 75 per bale.
18 "	225 "	1 13 "
24 "	300 "	1 50 "
36 "	450 "	2 25 "
48 "	600 "	3 00 "
60 "	750 "	3 75 "
75 "	800 "	4 50 "

Prices for less quantity, 3/4 cent per square foot. Staples for fastening, 10 cents per lb.

ALL KINDS OF MACHINERY REPAIRED.

Poultry Supplies, Horse Powders, &c.

MICA Crystal Grit.

To aid digestion it is necessary to feed some gritty material. Mica Crystal supplies this want better than any other article known.

We can supply this in two grades, fine for small chicks and birds, coarse for large fowls.

5 lbs., - 25c.
10 lbs., - 25c.
25 lbs., - 40c.
100 lbs., \$1.00



ENOUGH TO MAKE ANY
CHICKEN LAUGH!!!

WHITE LIME GRIT same price as Mica Crystal.

CRACKED POULTRY BONE.

This article is manufactured from fresh, clean bones, and is perfectly pure and sweet. The bones are extra selected, being first boiled to remove the meat, and then ground. No chemicals whatever are applied to them in the course of manufacture, so that they are turned out green and pure. Should be fed to the poultry daily, about a handful to every five fowls, like grain or any other feed. An excellent bone and egg producer, keeping the fowls strong on their legs and largely increasing their laying qualities.

5 lbs., 25c. 10 lbs., 40c. 30 lbs., \$1.00. 100 lbs., \$2.50.

BONE MEAL FOR POULTRY.

For mixing once a day with soft feed this is unsurpassed. Laying hens and young chickens, whose digestive powers are not strong, are much benefitted by this, especially during the winter months, or where closely confined in yards. This is exactly the same as the cracked bone described above, only it is ground much finer.

5 lbs., 25c. 10 lbs., 40c. 30 lbs., \$1.00. 100 lbs., \$2.50.

EGGS AT ALL SEASONS BY USING RUST'S EGG PRODUCER.

TRADE (THE HEN PERSUADER) MARK.



RUST'S EGG PRODUCER.—

This has given our customers universal satisfaction. It supplies those substances which produce Egg growth and development. So moderate in price, it should be used winter and summer.

1 lb. pkg., 25 cts.

If to be sent by mail add 16 cts. per lb. to prepay postage.

6 lb. box.\$1.00

HAVEN'S ROUP PILLS.—Cures Roup, Catarrh, Colds, etc. Box.....25 cts.

Sheridan's Condition Powder.

This is a well known brand of Poultry Powder; well recommended by all leading poultry dealers.

4 oz. pkg..... 25 cts. 2 lb. can.....\$1.00.
Mailing, 15 cts. per lb.

GROUND BEEF SCRAPS.

Our ground beef scraps are specially prepared. Feed three times a week at the rate of about a handful to every three birds in the morning meal of hot food. During warm weather the scraps need not be fed more than once a week.

10 lbs.....35 c. 50 lbs.....\$1.25. 100 lbs..... \$2.25.

ANIMAL MEAL.

This is a true egg producing, flesh and bone forming food, and supplies just what laying hens and growing chicks require. It is not a medicine. It is fed with other foods.

5 lbs....25c. 10 lbs....30c. 25 lbs....75c. 50 lbs....\$1.25.
100 lbs.... \$2.25.

CLIMAX CONDITION POWDERS.

FOR STOCK AND POULTRY.

The only positive preventive and cure for Gapes and Poultry Cholera, and a most excellent medicine for young Turkeys that have been exposed to the weather; also an excellent medicine for Horses, Cattle, Sheep and Hogs. All who have used Haven's Climax Condition Powders once will have it again.

1 lb. package, 25 cts.

By mail, 40 cts.

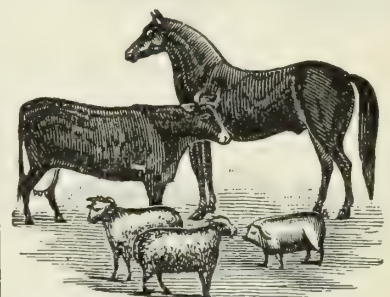
Erb's Horse and Cattle Powders.—

For the cure of diseases that affect Horses, Cattle, Swine, Sheep and Fowls. Growing in popularity, and sales constantly increasing.

Package..... 15 cts. 2 packages..... 25 cts.

NO POULTRY OR STOCK KEEPER

Can Afford to do Without



RUST'S HAVEN'S CLIMAX CONDITION POWDER.

GROUND CHARCOAL.

A little ground charcoal, mixed with the soft feed in the morning, once or twice a week, is an excellent corrective for the fowls and keeps them healthy.

10 lbs50 cts. 100 lbs..... \$3.50

CRUSHED OYSTER SHELLS.

This is a most important article for the poultry yard through the winter, and should be liberally supplied to the fowls. In summer, when left to run at large, they can find their own shell-making material, but when everything is frozen or covered with snow, they must be helped out if eggs are wanted.

5 lbs 15c. 25 lbs.....40c. 100 lb. bag..... 75c.

SUNFLOWER SEED.

Highly recommended for poultry as one of the best egg producing foods known, keeping them in good condition.

Quart..... 10c. Peck.....50c. Bushel.....\$1.50.

DEATH TO LICE.

A disinfectant Insect Powder. It is first-class for destroying lice on poultry, also kill them on stock or plants.

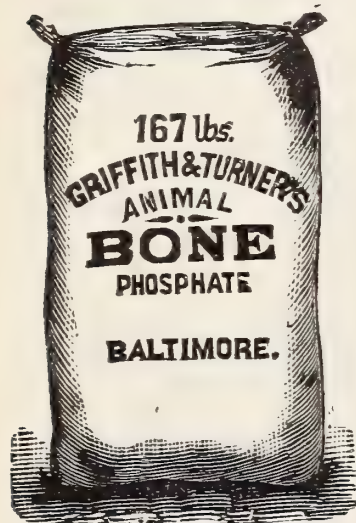
15 oz. box.....25 cts.

We are headquarters for OYSTER SHELL and CHICKEN BONE, and are prepared to quote special low prices on ton or car load lots, also wholesale rates on all Poultry Supplies.

ALL KINDS OF POULTRY SUPPLIES.

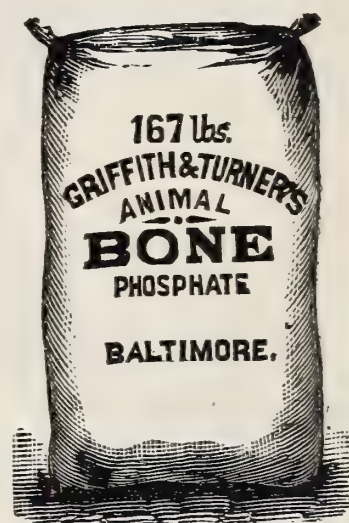
FERTILIZERS.

WE manufacture a complete line of Fertilizers, including special brands for every crop: our long experience in this business enables us to supply our customers in all parts of the country with the necessary Plant Food required.—Farmers and Truckers have given the proper application of Fertilizer so much study that it is no longer a question as to raising a crop if the weather is at all favorable and the land is properly cultivated.



ANIMAL BONE PHOSPHATE.

Made principally from Animal Bone, Potash and Ammoniates in proper proportion. A complete manure always gives good results. Specially adapted to the growth of Peas, Cabbage, Wheat and Grass, in fact it contains all of the ingredients necessary to supply what may be lacking in the soil for almost any crop. Price, . . . \$28.00 per ton.



AMMONIATED ALKALINE PLANT FOOD.

Our old stand-by for summer crops adds new customers to the list every year; is used largely on Potatoes, Corn, Tobacco and other summer crops, stands the hot dry weather particularly well. This brand has given most excellent satisfaction on Potatoes, and is used probably more for this than any other crop. Price, \$22.50 per ton.

AMMONIATED BUTCHERS BONE PHOSPHATE.

Is made largely from slaughter house stock; used principally for Wheat and Grass as well as by growers of Corn and Tomatoes for canning purposes: a good article at a low price: greatly increased sales testify as to its quality. Price, \$22.50 per ton.

GROUND BONE.

Absolutely pure; ground very fine; every report gives this article a very high analysis and in almost every case it has analyzed nearly 5 per cent. of Ammonia and 50 per cent. of Bone Phosphate. The great objection to the use of Pure Bone (the price) no longer prevents its use by any one wanting to restore worn out land. Price, \$28.00 per ton.

SOFT GROUND BONE.

Made from softer material than the regular "Ground Bone" and contains some little meat and blood. The fact that the soft bone is not absolutely pure on account of its containing the above, has led different parties to put brands on the market which do not compare in any way with this brand; it acts quickly, and at the same time is a good article of plant food. Try it and be convinced. Price, \$27.00 per ton.

DISSOLVED BONE.

Made from stock containing some meat, thoroughly dissolved and in fine drilling condition. Farmers wishing a fertilizer for immediate action will find in this brand a reliable manure of good value and one whose good effect can be seen for a long time. Price, \$27.00 per ton.

AMMONIATED SOLUBLE BONE.

Made for our Pennsylvania trade exclusively, where it is well and favorably known, A complete fertilizer, containing Ammonia, Potash, and available Phosphoric Acid in good proportions. Price, \$20.00.

FERTILIZERS—CONTINUED.

SOLUBLE BONE PHOSPHATE.

A good cheap fertilizer. There is such a difference of opinion as to the chemical action of fertilizers that no line of goods would be complete without a brand of this kind. Quite a number of chemists claim that Ammonia adds very much to the cost of fertilizers without being of much agricultural value; that is, sufficient Ammonia can be obtained from the atmosphere, etc. To supply such a trade we offer above; whether or not this theory is correct, quite a number of people have used our Soluble Bone with very satisfactory results. Price, \$15.00 per ton.

HIGH GRADE ACID PHOSPHATE.

Best grade of S. C. Phosphate, thoroughly dissolved and in good dry condition. Price, \$11.00.

LAND PLASTER.

In bags of 200 lbs. each. 90 cts. per bag. \$7.50 per ton.

KAINIT.

Containing about 25% Muriate of Potash. In bags of 200 lbs. each. \$1.50 per bag; \$12.50 per ton. Price, subject to change.

PERUVIAN GUANO.

10% goods. In bags of 167 lbs. each. \$5.00 per bag. Price subject to change.

NITRATE OF SODA.

Is very quick in its action, and forces from 10 days to 2 weeks. Should be used after plants have gotten a good start; is very soluble, and 200 to 250 pounds to the acre is a good dressing; application should be made in connection with plaster or some similar article. \$3.00 per hundred when taken in bag lots. Price subject to change. Special prices in quantities.

MURIATE OF POTASH.

Contains about 80% of Muriate; is specially adapted for rejuvenating old worn out soils, which, when used in connection with other ingredients, makes a good potato fertilizer.

In large peach growing sections, it is found that a liberal application of, say 250 lbs. per acre, acts like a charm, causing the trees to green up and giving them altogether new life. Where this fertilizer is used, we hear less of the disease known as *Yellows*. We make special mixtures, containing the above for use in peach orchards. 3 cts. per lb., subject to change. Special prices in quantities.

GROUND TANKAGE.

In good, dry condition and ground fine. Price, \$25.00 per ton, subject to change.

FINE GROUND FISH.

Contains a large percentage of Ammonia. A very desirable form, quick in action. Price, \$30.00 per ton, subject to change.

PULVERIZED SHEEP MANURE.

This is purely a natural and most nutritious plant food, clean to handle, and its effect is immediate and lasting. There is nothing better to mix with soil for potting plants. Florists who use it extensively advise mixing about one-seventh manure and six-sevenths soil.

It is invaluable for use in a vegetable garden. Most persons using it prefer to apply it in the hill or drill as it comes into more immediate contact with the plant, causing a rapid and steady growth until maturity. As a top dressing for lawns it is unequalled. Price, 5 lbs., 25c.; 10 lbs., 40c.; 30 lbs., \$1.00; 50 lbs., \$1.50; 100 lbs., \$2.50.

BONE FLOUR made especially for Florists and Gardeners. This flour is passed through a thirty-mesh screen, and is consequently exceedingly fine, and in addition to this, it is the pure Bone containing no foreign matter at all. Write for sample. Price, \$4.00 per bag of 167 lbs.

COARSE GROUND BONE for Chickens. Prepared from selected stock. 5 lbs., 25c.; 10 lbs., 40c.; 35 lbs., \$1.00; and bag of 167 lbs., \$4.00.

BONE FLOUR for little Chicks. Absolutely pure and sweet. 5 lbs., 25c.; 10 lbs., 40c.; 35 lbs., \$1.00; bag 167 lbs., \$4.00.

INSECT DESTROYERS, &c.

TOUGH ON FLIES.

One application instantly and positively relieves horses and cattle from all annoyance from Green Heads, the dreaded Texas Heel Fly, as well as from other Flies, Gnats and Insects of every description for at least twenty-four hours. It improves the coat of the animal and abolishes the use of fly nets.

Price, including Brush, Qt., \$1.00. $\frac{1}{2}$ Gal., \$1.75. Gal., \$2.50.

BORDEAUX MIXTURE.

(Standard strength.)—A valuable and indispensable fungicide for grape growers, thereby insuring large crops and finer grapes, and preventing failure. A sure cure and preventive for black rot, mildew and rust, also of great value for other plants with kindred diseases. By express or freight only.

Per gallon\$1.25.

PERSIAN POWDER OR BUHACH.

A most effective non-poisonous impalpable powder—so fine that it penetrates the innermost crevices—for worms, flies, aphids, and almost all kinds of insects—It is very effectual—suffocating them by filling up the breathing pores.

Price, per lb., 40c., or by mail, 50c. per lb.

DRY.—Blow on with a bellows or gun.

SOLUTION.—Dissolve 1 ounce to 3 gallons of water, and apply with syringe or pump.

SLUG SHOT.

A non-poisonous powder and a very popular insecticide—it requires no further mixing or preparation—easily applied, and not injurious or dangerous to animals, the person applying it, or fruits and vegetables treated. Very effectual in destroying potato bugs and beetles, green and black fly, slugs, worms, caterpillars, etc.

It will be necessary, however, to apply it occasionally, for it does not kill the eggs or prevent them from hatching. The best time to apply it is early in the morning, particularly for potato bugs, as they do not feed during the night.

Apply with duster, bellows or gun. 10 to 40 lbs. is sufficient for an acre.

10 lb. packages, each, 45 cts. 5 lb. packages, 25 cts.

LONDON PURPLE.

Very poisonous and equally as efficacious as Paris Green and more soluble in water.

Use in the same way as Paris Green.

1 lb., 25c. 10 lb. lots and over at 20c. per lb.

If by mail, add 15c. per lb. for postage.

PARIS GREEN.

$\frac{1}{4}$ lb.....10c. Lb.....35c. By mail, 15c. extra for postage.

PURE WHITE HELLEBORE.

The cheapest and best preparation for destroying Rose Slugs, Currant Worms, etc.

$\frac{1}{4}$ lb .. 10c. Lb.... 35c. By mail.....55c.

LEMON OIL.

This new insecticide has had for some time a marvelous success in England; perfectly safe and harmless to the tenderest foliage and roots. It effectually destroys mealy bug by syringing or dipping. It also destroys scale, thrip, red spider, black and green fly, caterpillar, American blight, mildew, etc.

$\frac{1}{2}$ pt... 25c. Pt....40c. Qt....75c. $\frac{1}{2}$ gal.... \$1.25.
Gal..\$2.00. 5-gal. kegs..\$9.00. 10-gal. kegs..\$17.50.

FLOWERS OF SULPHUR.

For the prevention and destruction of mildew on roses and other plants.

Apply with bellows or gun.

Lb.....10c.

N. B.—If by mail, add 15c. per lb. for postage.

WHALE OIL SOAP.

Makes an elegant wash for trees and plants, kills insects on trees and bark; also destroys slugs on roses.

Cake..... 10c. Lb.... 15c.

Large quantities at special prices.

TOBACCO STEMS.

For fumigating green houses.

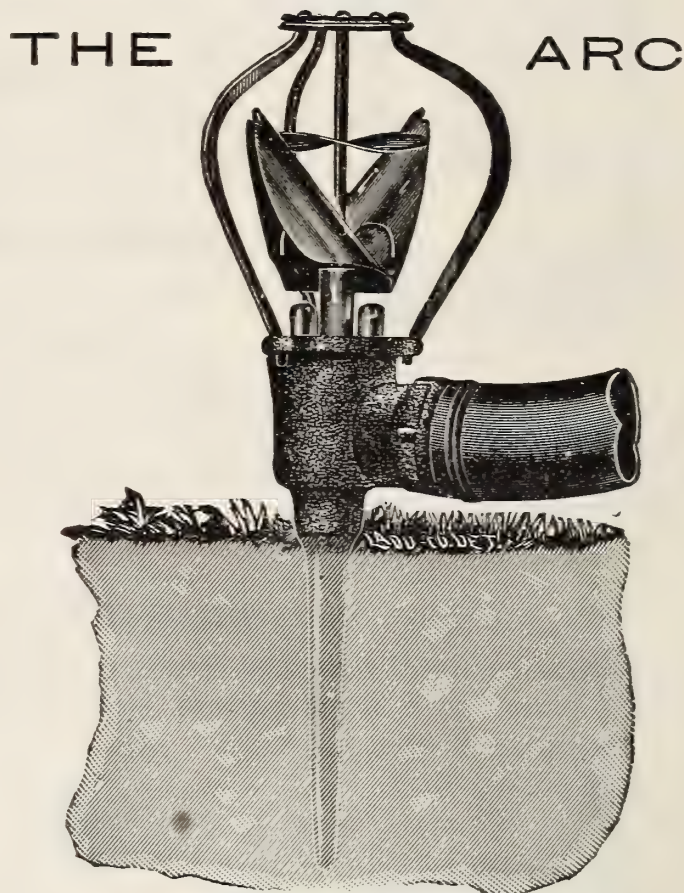
5 cts. lb. Large quantities, 3 cts. per lb.

TOBACCO DUST.

Largely used by market gardeners for destroying the cabbage fly and louse.

5 lbs..... 25c. 25 lbs.....75 cts.

Special prices for large quantities.



THE ARC LAWN SPRINKLER.

We claim this is the most perfect sprinkler in existence. It is simple, will not wear out nor clog up, is well made and handsomely nicked, is boxed singly with full directions how to use. Its merits are, without question, pre-eminently superior to any other.

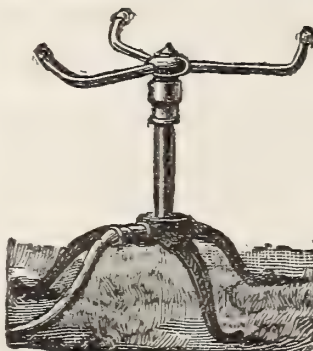
Price..... \$1.50. Price, by mail.....\$1.65.

HUSTLER LAWN SPRINKLER.

A first-class article at moderate cost.

Price..... \$1.00. Price, by mail..... \$1.15.
Gem Nozzle Holder.... 25c. By mail... 30c.

REVOLVING LAWN SPRINKLER. Very popular. \$1.50



Crescent Lawn Sprinkler.

This is compactly and strongly made and will cover a surface of 36 feet in diameter. As it has a free and unobstructed channel there is no danger of clogging with dirty water, and will accomplish as good results as the more expensive sprinklers. It has given splendid satisfaction.

Price.....\$1.50.

Florist and Garden Supplies.

BRASS GARDEN SYRINGES.

OUR SYRINGES ARE THE BEST MADE.

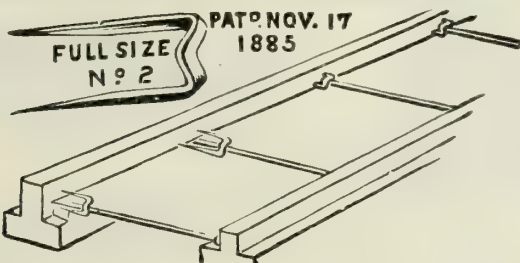


Barrel 16 in. x 1 1/2 in. diameter.



No. 1-1	Stream, 2 Sprays, 15x1 1/4 inch	\$2.00
" 2-1	" 2 Sprays, 18x1 1/4 "	2.50
" A-1	" and Spray Rose, 12x1 inch	2.00
" 10-1	" 18x1 1/4 "	5.00
" 12-1	" 13x1 "	3.00

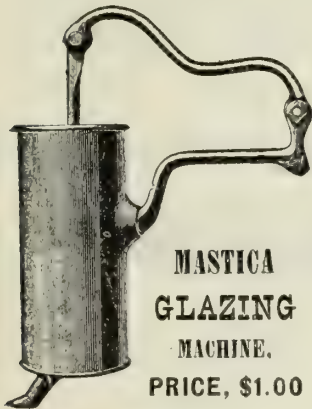
VAN REYPER'S GLAZING POINTS.



The finest glazing points on the market; the glass cannot slip; they are quickly and easily put in with special pincers; no "rights and lefts" to bother with.

Price, per box of 1,000, 60c., or by mail, 75c.
in lots of 5000, by express, 55c. per 1,000.
Pincers, price per pair, 50c., or by mail, 60c.

MASTICA FOR GLAZING.



MASTICA
GLAZING
MACHINE.
PRICE, \$1.00

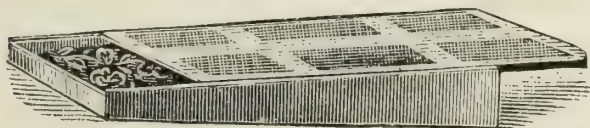
Greenhouses, Sashes, etc., new and old. It is Elastic, Adhesive and easily applied; it is not affected by dampness, heat or cold.

"Mastica," when applied, in a few hours forms a skin or film on the entire mass hermetically sealing the substance and preventing the evaporation of the liquids, and remains in a soft, pliable and elastic condition for years. "Mastica" is of great value in going over old houses with a putty bulb or machine on the outside of sash, as it makes

it perfectly tight and saves the expense of relaying the glass.

Price, quart, 35c.; 1/2 gallon, 60c.; gallon, \$1.00.

PATENT PLANT BED CLOTH.



A cheap substitute for glass and will keep out many degrees of frost. Also useful for shading material. Samples mailed on application.

Light grade, 5c. per yard. Per piece of about 65 yards, 4 1/2 c. per yard. Medium grade, 8 1/2 c. per yard. Per piece of about 60 yards, 8c. per yard. Heavy grade, 12c. per yard. Per piece of about 40 yards, 10c. per yard.

GARDEN BOXES.—20, 25 and 30 cents each.

POT LABELS.

	Plain.	Painted.
3 1/2 inch, per 1000	\$.45	\$.60
4 " " "	.50	.65
4 1/2 " " "	.55	.70
5 " " "	.65	.90
6 " " "	.75	1.00
12 inch., per 100	50c.	

PAINTED TREE LABELS.

3 1/2 inch., Notched or Pierced..... 65c. per 1000

UNPAINTED STAKES OR DOWELS.

Long.	Diameter.	Per doz.	Per 100.	Per 1000.
36 inch....	1/2 inch	\$.15	\$.75	\$4.50
42 "	3/4 " "	.20	.85	5.00
42 "	1 " "	.25	1.15	6.50

LIGHT PLANT STAKES.

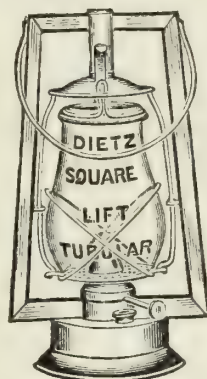
	Each.	Per doz.	Per 100.
1 1/2 feet.....	\$.02	\$.20	\$.65
2 " .....	.03	.25	1.35
2 1/2 " .....	.05	.35	2.00
3 " .....	.05	.50	2.75

HEAVY OR DAHLIA STAKES.

	Each.	Per doz.	Per 100.
3 feet.....	\$.06	\$.65	\$3.75
4 " .....	.08	.85	5.00
5 " .....	.10	1.00	6.25

CANE STAKES.

5 to 7 feet long.. Per 100, 60c. Per 1000, \$5.00



This Lantern has the lift wire attachments and guard, and is desirable for hand service. Made in bright Tin, Brass or Copper. Can be filled, lighted, regulated and extinguished without removing globe.

Price.....50c.

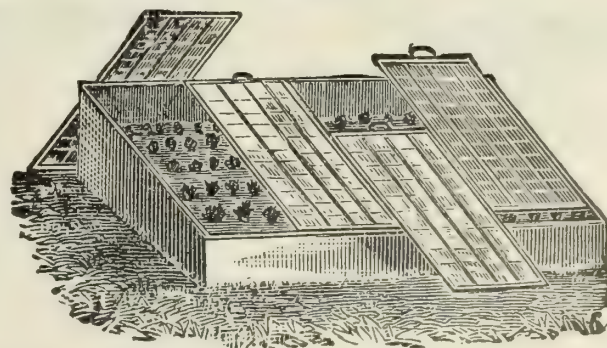
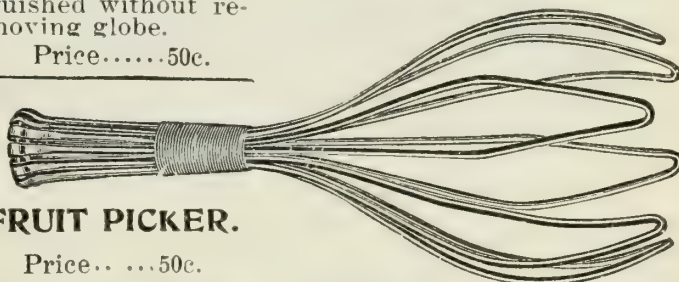


American Grass Hook.

This Hook has been manufactured to meet the demand for a good article. As shown by above cut, it is a combination of Grass Hook, Edger and Weeder.

FRUIT PICKER.

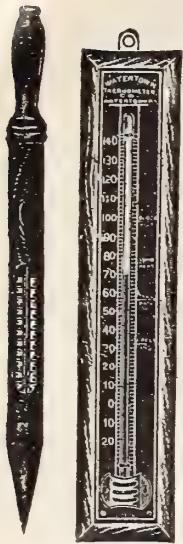
Price.. ...50c.



Unglazed Hot Bed Sash—each..... 80c.

WE REPAIR ALL KINDS MACHINERY.

THERMOMETERS.



Tin, Japanned, 7-inch.....	\$ 15
Boxwood, fine finish, red spirit.....	1 00
Plain metal, brass finished.....	50
Dairy or hot-bed, glass, floating.....	35
8-inch dairy, stands boiling water....	50
Mushroom bed, or hot-bed, with brass end.....	1 00
Mushroom bed, or hot-bed, with brass end, extra good.....	1 50
Porcelain scale, red spirits.....	1 00
Incubator Thermometer, 50c, by mail	60

The Model Mole Trap.

This, while possessing all the good qualities of other traps, is especially adapted for setting under glass.

Price, \$1.75.

Our New Mole Trap.

The cheapest good Mole Trap in the market.

Price, \$1.00.



IRON-CLAD WATERING POTS.

With Adjustable Nozzles.

4-quart.....	\$ 60
6-quart.....	75
8-quart.....	80
10-quart.....	1 00
12-quart.....	1 25
16-quart.....	1 50

Special for Florists' use.
\$1.75 and \$2.00.



DIBBLES.



For transferring Plants. By far the best thing for the purpose ever introduced

Price, 35c. and \$1.00.

INSECT POWDER BELLOWS.



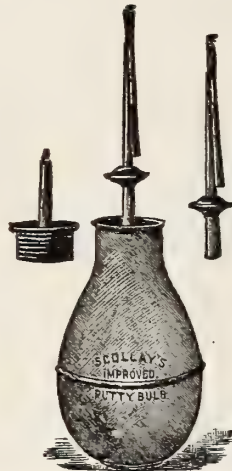
This is the best article known for destroying insects in conservatory, garden or field.

No. 1, 3½ in. wide, 15 in. long, holds 2 oz. powder.....	\$ 85
" 2, 4½ " " 16 " " " 3 " "	1 00
" 3, 5½ " " 20 " " " 4 " "	1 25
" 4, 7½ " " 24 " " " 8 " "	1 75

CYCLONE POWDER GUN,

For Distributing Insect Powder. Price, 15 cents.

PUTTY BULBS.



Price.....\$1 00
Price by mail..... 1 10

NOVELTY GLASS CUTTERS.

10 AND 15 CTS. EACH.

Plant Sprinklers.

For sprinkling cut flowers, seedlings, plants, clothes, etc.



Medium size.....\$ 60
Large size, 85c. and. 1 00
By mail 10 cts. extra.

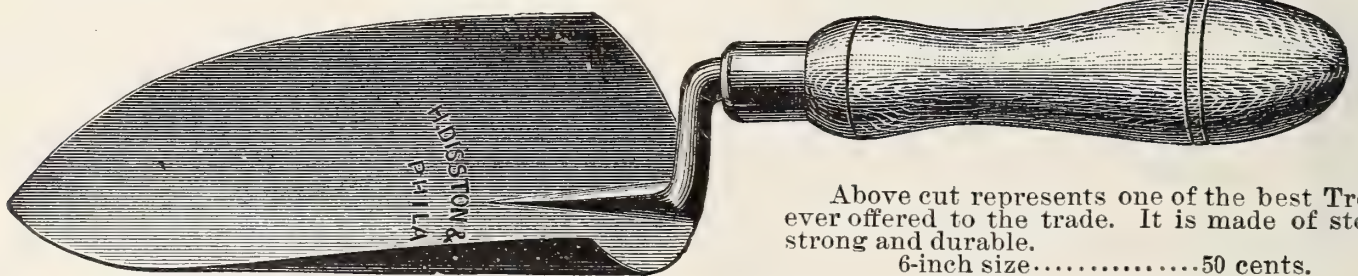
THE NEW GARDEN IMPLEMENT—CLEVES' TROWEL.



No. 1—"STANDARD," 8-inch blade.....	40 cts. each.
No. 2—"MEDIUM," 7-inch blade.....	30 cts. each.
No. 3—"DAISY," 5-inch blade.....	20 cts. each.

This handy digger was originally intended for digging plantain and other weeds from lawns; its slim blade, made strong by its angular form, being suited for prying and twisting. It has also found great favor among the ladies as a flower cultivator, for loosening the soil in pots, and among young plants for transplanting. The blade and shank are of one solid piece of best steel, set firmly in a nice handle.

For the Lawn—a Plantain Digger. For the Greenhouse—a Transplanter. For the Conservatory—a Cultivator. For the Garden—an all round handy digger. TRY IT.



Above cut represents one of the best Trowels ever offered to the trade. It is made of steel, is strong and durable.

6-inch size.....50 cents.
7-inch size.....60 cents.

If trowels are wanted by mail, send 10 cents additional for postage.



All Steel Trowel.

Very Strong and Durable.
Price, 15 cents.



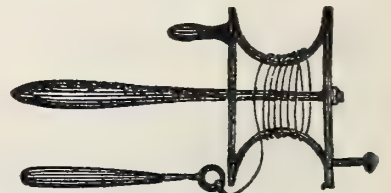
Large Hand Weeder.

Large size.....15 cts.
Small size.....10 cts.



Excelsior Hand Weeding Hook.

Price.....15 cts.



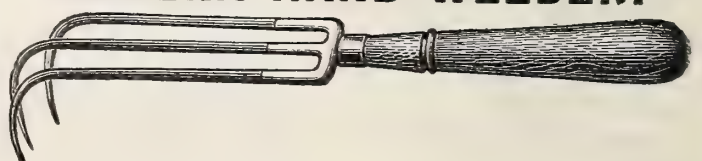
Garden Reels.

Price, 75 cents to \$1.25.

This very handy and useful little implement is the best hand weeder yet put upon the market, and is a great improvement on the clumsy weeders made of malleable iron heretofore offered. The tines are made of the best forged steel, sharply pointed and will not break. It will do very effective work in deep cultivation of rose and carnation beds and in all other work for which a hand weeder is necessary.

Price, 25 cents each. Price, with long handle, 35 cents.

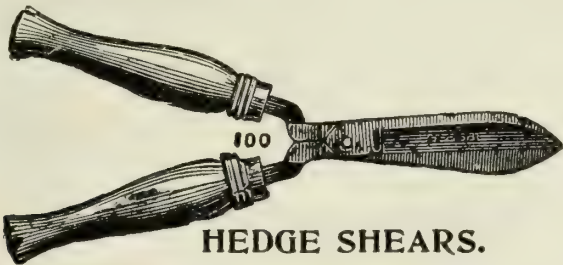
EUREKA HAND WEEDER.



WE REPAIR ALL KINDS OF MACHINERY.

No. 1—Malleable Pruning Shears, with Steel Blade..	\$.40
No. 2—	.50
8½ inch. Solid Steel Pruning Shears.....	.75
9 " " "	1-00
Full Polished " "	1.25
Ebony Handle Draw Cut Pruning Shears.....	2.00
6 inch, Nickel Plated Ladies' Flower Shears..	1.00

Baltimore Draw Cut Lopping Shears.....	\$2.50
American Shears, No. 1.....	1.00
" " 2.....	1.25



HEDGE SHEARS.

8 inch....\$1.25	9 inch....\$1.50	10 inch....\$1.95
With Notch. 25 cts. extra.		

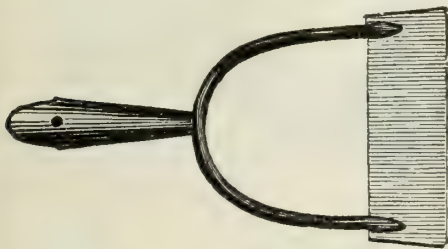


SHEARS AND SCISSORS.

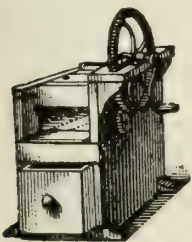
Horse Shears and Scissors...	50c.,	60c.,	\$1.25
Sheep Shears.	50c.,	75c.,	1.00
Grass Shears	50c.,	75c.,	1.00



FLOWER SCISSORS....75c.
GRAPE SCISSORS.....65c.
5 cts. extra for postage.

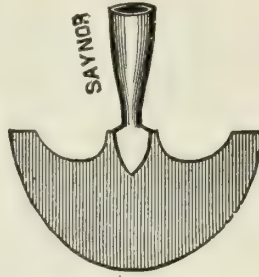


6 inches.....	60c.
7 ".....	65c.
8 ".....	70c.
9 ".....	75c.
10 ".....	80c.



Price, with Perforated Tin Cylinder.....	\$6.50
Price, with Steel Pin.....	7.50

No. 1	\$3.50
No. 2	3.00
No. 3	2.00



9 inch. American.....	\$.50
10 inch. American.....	.60
8 inch. English	1.00
9 inch. English.....	1.25



Prices..... 50c., 75c., \$1.00

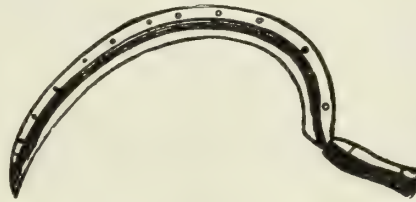
Price.....75c.



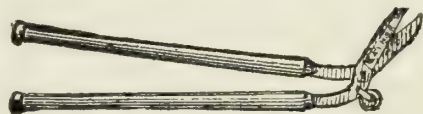
Price.....\$1.00



American	\$.60
Best American75
Bush or Brier Scythes.....	.65
English T. Waldron, 36, 38 and 40 in.....	1.25
Snath or handle	40c., 50c., .60



American 25c.
German 25c., 35c., 45c.
English 50c.
English Hedge
Hook.... . 60 to 75c.



Price, without wheel.....	\$2.25
Price, with wheel.....	2.75



Price..... 5, 10, 15 and 20c.

4 feet long.....	\$.75
6 feet long.....	.85
8 feet long.....	1.00
10 feet long.....	1.15
12 feet long.....	1.25
Extra Knives 20c.	



16 inch.....	60c.
18 inch.....	70c.
20 inch.....	80c.

Price, without pole.....	\$1.00
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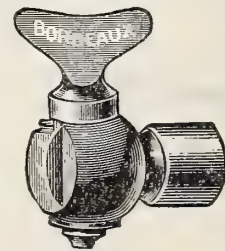
ALL KINDS OF MACHINERY REPAIRED.

HOW AND WHEN TO SPRAY.

PLANT.	First Application.	Second Application.	Third Application.	Fourth Application.	Fifth Application.
Apple —(Canker worm, codling moth, bud moth, scab).	Spray before buds start, using copper sulphate solution.	After the blossoms have formed, but before they open, Bordeaux and Paris green.*	Within a week after blossoms have fallen, Bordeaux and Paris green.	10 to 14 days later, repeat.	10 to 14 days later, Bordeaux or weak copper sulphate.
Bean —(Anthracnose).	When blossoms appear, spray with Bordeaux.	10 days later, repeat.	10 to 14 days later, weak copper sulphate solution.	Repeat last, if necessary.	
Cabbage —(Worms, aphids).	When worms first appear, kerosene emulsion, or Paris green.	If worms or aphides are present, repeat if plants are not heading, using emulsion for aphids.	If aphides persist, or if worms reappear, use kerosene emulsion, if plants are not heading.	After heads form, use saltpetre for worms, a teaspoonful to a gallon of water, emulsion for aphides.	Repeat if necessary.
Carnation —(Rust and other fungous diseases).	When planted out, dip in Bordeaux.	7 to 12 days later, spray plants with Bordeaux.	Repeat at intervals of a week or ten days until blossoms open.	While in bloom spray every week with the dilute copper sulph. solution.	
Cherry —(Rot, aphids, curculio and slug).	Before buds start, use copper sulphate solution. For aphids, kerosene emulsion.	When fruit has set, Bordeaux and Paris green.*	10 to 12 days later, if signs of rot appear, repeat.	10 to 12 days later, copper sulphate solution, weak.	
Currant —(Worms, mildew).	As soon as worms are seen Paris green.	If they reappear, repeat, adding Bordeaux for mildew.†	If worms still trouble, pyrethrum or hellebore.†		
Gooseberry —(Mildew, worms).	As leaves open, Bordeaux and Paris green.	In 10 to 14 days, repeat with both.	10 to 14 days later, sulphide of potassium on English varieties.	10 to 14 days later, repeat if necessary.	If mildew persists after crop is gathered, Bordeaux.
Grape —(Flea-beetle, fungous diseases).	Before buds burst, copper sulphate solution and Paris green.	When first leaves are half grown, Bordeaux & Paris green.	As soon as fruit has set, repeat.*	10 to 14 days later, Bordeaux mixture, if disease is present.	If necessary, very weak copper sulphate solution.
Nursery Stock —(Fungous diseases).	When buds burst, Bordeaux.	Repeat at intervals.	of 10 to 14 days.		
Peach, Apricot —(Leaf-curl, curelio, mildew and rot).	Before buds swell, copper sulphate solution.	As soon as fruit has set, Bordeaux and Paris green.*	10 to 12 days later, repeat.	10 to 12 days later repeat.	If rot persists, use very weak copper sulphate solution every 5 to 7 days.†
Pear —(Leaf-blight, scab, psylla and codling moth).	Before buds start, copper sulphate solution.	Within a week after blossoms fall, Bordeaux & Paris green.	10 to 12 days later, repeat.	10 to 16 days later, Bordeaux.	10 to 16 days later, Bordeaux.†
Plum —(Black knot, rot and all fungous diseases, curculio).	As buds start, copper sulphate solution. Cut out knot & burn.	When fruit has set, Bordeaux and Paris green.	10 to 12 days later, repeat.	10 to 20 days later, Bordeaux.	Weak copper sulphate solution, as is necessary.
Potato —(Beetles, scab, blight).	For scab, soak seed in corrosive sublimate solution (2 oz. in 16 gallons of water for 90 minutes).	When beetles or their larvæ appear, Paris green (1 pound to 100 pounds of plaster).	Repeat whenever necessary.	When blight of the leaves is accompanied by rot of the tubers, Bordeaux.	Repeat if necessary.
Quince —(Leaf and fruit spot, rot).	Before buds start, copper sulphate solution.	When fruit has set, Bordeaux and Paris green.*	10 to 12 days later, repeat.	10 to 20 days later, Bordeaux.	Bordeaux or copper sulphate solution, as is necessary.
Raspberry, Blackberry (Anthracnose, rust)	Cut out badly diseased canes. Spray with copper sulphate solution before growth starts.	When new canes are one foot high, spray with Bordeaux mixture.	10 to 14 days later, weak copper sulphate solution.	When crop is gathered, remove old canes, thin new ones and spray with Bordeaux mixture.	
Rose —(Mildew, black spot, red spider, aphids).	Mildew: Keep heating pipes painted with equal parts lime and sulphur mixed with water to a paste.	Black spot: Spray plants once a week with weak copper sulphate.	Red spider: Kerosene emulsion to under side of foliage.	Aphis: Kerosene emulsion.	
Strawberry —(Rust).	Just before blossoms open, Bordeaux and Paris green.	When fruit has set, Bordeaux* or weak copper sulphate solution.	As soon as berries are harvested, Bordeaux (if to be kept longer).		
Tomato —(Rot and blight, worms).	When first fruits have set, Bordeaux.	If disease appears, repeat* or use weak copper sul. solution.	If necessary, spray with weak copper sulphate solution.		
Violet —(Blight, red spider).	When blight is first seen, weak copper sulphate. Kerosene emulsion for insects.	Repeat at intervals of 10 to 20 days, as necessary for blight.	NOTE.—Use Kerosene emulsion, very weak.		



Repeat if necessary.



Special Notes.

For **BLACK KNOT** on cherries and plums, cut out and destroy by burning the diseased parts as soon as discovered.

For **APHIS** on all plants use kerosene emulsion.

If **RED RUST** appears the entire stools affected should be cut out and burned.

YOUNG PLANTS should be sprayed with Bordeaux mixture at the time of the first and third applications to bearing plants.

EXPLANATION.—Whenever an asterisk (*) is used it cautions against spraying with poisons while the plants are in blossom; a dagger (†) indicates that there is danger of making an application within three weeks of the time the fruit is to be used as food. While the number of applications recommended will be found desirable in seasons when the fungi are particularly troublesome, a smaller number may often suffice.

FUNGICIDES.

COPPER SULPHATE SOLUTION.

Copper Sulphate.....1 lb.
Water.....25 gals.

For use only before the buds open. It is ready for use as soon as dissolved in water.

BORDEAUX MIXTURE.

Copper sulphate.....4 lbs.
Quick lime.....4 lbs.
Paris green (for leaf-eating insects).....4 oz.
Water (1 barrel).....40-50 gals.

To prevent potato rot, 6 lbs. of copper sulphate is used instead of four.

AMMONIACAL COPPER CARBONATE.

Copper carbonate.....5 oz.
Ammonia.....2 qts.

Water (1 barrel).....40-50 gals.

For use late in the season when Bordeaux mixture may stain the fruit. It is also best adapted for green-house spraying.

INSECTICIDES.

KEROSENE EMULSION.

Kerosene (coal oil).....2 gals.
Rain water.....1 gal.
Soap.....½ lb.

To be diluted before use with 9 parts of water, For sucking insects.

PARIS GREEN AND WATER.

Paris Green.....1 lb.
Lime (fresh).....1 lb.
Water.....200 gals.

For insects which eat foliage.

Bucket Brass Spray Pump and Fire Extinguisher
 WITH AGITATOR.

THIS spray pump is constructed entirely of brass, a material that is not affected by the poisonous arsenites used in different formulas for spraying fruit trees, vines and shrubbery. It is so arranged that the labor of pumping is all done on the downward stroke of the piston and nothing on the up.

It is provided with a large air chamber, and has a ball valve at the bottom between the cylinder and the air chamber, whereby the pressure is held uniformly in the air chamber and on the hose so that the nozzle throws a continuous spray, and is not affected by the movement of the plunger. The operator is enabled to keep a constant pressure on the nozzle of from 50 to 100 pounds with very ordinary exertion. It will throw a solid stream 50 feet and is of unusual value for washing windows, buggies, and extinguishing fires, sprinkling lawns, flowers, etc. For spraying it is arranged so as to discharge a fine jet in the bottom of the bucket and keep the solution thoroughly mixed and agitated, a feature peculiar to this pump only, and a very necessary feature to a spray pump. The pump is also provided with a sprinkler for flowers.

Price List of Pump shown

	Retail Price.	List Price.
No. 327—Bucket Brass Spray Pump with Agitator, complete with hose and combination fine, coarse, spray and solid stream nozzle.....	\$3.00	\$5.50
No. 328—Bucket Brass Spray Pump with Agitator, complete with hose, combination fine, coarse, spray and solid stream nozzle and an 8-ft. pipe extension.....	3.50	6.00
Vermorel or Bordeaux nozzles, each.....	.60	1.00



The G. & T. Prize Brass Spray Pump.

WITH RETURN STREAM AGITATOR.

WITH BBASS WORKING PARTS AND MALLEABLE IRON FOOT REST.

The Agitator being in the lower valve, stirs the spraying liquid thoroughly, and in addition the strainer is kept free from sediment. It is furnished with Acme nozzle, and will throw a fine spray or a solid stream.

PRICE LIST.

	Retail Price.	List Price.
Fig. 669—"Prize" Bucket Spray Pump.....	\$2.50	\$5.00

SPRAY NOZZLES, Etc.

THE "BORDEAUX."

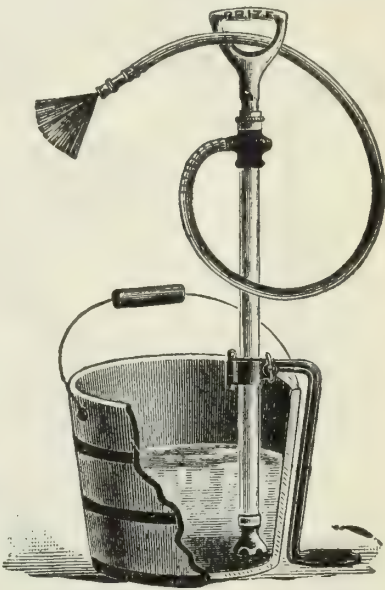
Retail Price.....	60 cts.	List Price.....	\$1.00
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THE "VERMOREL."

Retail Price.....	60 cts.	List Price.....	\$1.00
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COMBINATION NOZZLE AND HOSE COUPLING.

Price.....15 cents.



KNAPSACK SPRAY PUMPS.

The tank holds five gallons, is fitted with lid and strainer, which can be removed. This pump has lever, large air chamber, ball valves, solid plunger and agitator. It is so arranged that no water can drip on the operator. The pump can be removed easily and is fitted with handle so the operator can use it the same as our tank with bucket pump.

	Retail Price.	List Price.
No. 330—Fitted with 5 feet of 1/2 inch hose, pipe extension and Bordeaux spray nozzle, which can be graduated from a fine mist to a solid stream, or shut off entirely..	\$5.00	\$10.00
Any other nozzle furnished with these pumps when ordered.		

THE PERFECT KNAPSACK SPRAY PUMP.

Is identically the same as above, with the exception that the tank is constructed entirely of copper.

	Retail Price.	List Price.
No. 331—Complete, with hose, stop cock, pipe extension and Bordeaux nozzle.....	\$10.00	\$16.00
A first-class outfit at a reasonable price.		

THE FOUNTAIN SPRAY PUMP.

For Spraying Potatoes, Cotton, Trees and Vines with Paris Green, London Purple or any soluble mixture.

THE above cuts represent the *Fountain Knapsack*, which is constructed of first quality galvanized iron, with round corners, built precisely the same as the regular Knapsack with removable strainer and tight lid. It is fitted with adjustable straps so as to be carried on the back, or it can be carried by bail as shown by dotted lines.

It is tapped at both right and left hand lower corners and fitted with brass female ends to which hose is attached, either one or two strings of which may be used at one time. When one hose only is used the other opening is closed with a metal plug furnished for that purpose.

The HOSE and BULB are made of the best white rubber and wired at end. The VALVES are made of brass and will not corrode; have large openings which permit the free flow of water and shut off instantly when under pressure.

The NOZZLE is made of brass, nickel plated; has fifty small openings, and throws a spray six feet wide at a distance of twelve feet.

The pump is operated by grasping the bulb in the hand and compressing it, which causes a spray to be thrown any distance from three to fifteen feet, as desired; on relaxing the pressure on bulb it expands, refilling instantly, when the same operation can be repeated. To shut off flow of water entirely, use valve on hose for that purpose.

We furnish this hose and fixtures to be attached to a barrel or tank placed on a wagon. This is desirable when spraying large fields of cotton or potatoes.



Holds 5 gallons, weighs 52 lbs. when full. All Working Parts are Brass.

CAUTION.—Always mix Paris Green or London Purple in a separate vessel, forming into a paste before adding the water. In this way everything will be dissolved and will not need to be agitated.

	Retail Price.	List Price.
No. 332—Fountain Knapsack Spray Pump, with one tube, rubber bulb and rose.....	\$3.00	\$5.50
No. 333—Fountain Knapsack Spray Pump, with two tubes, rubber bulbs and roses, to work with both hands.....	4.25	7.50
Extra tube, rubber bulb and rose.....	1.25	2.00

Continental High Wheel Mower.

A distinct type of machine in popular favor. Owing to the demand for a High Wheel Mower for uneven lawns, we have secured what we consider one of the best machines of the kind made. Every customer is more than satisfied with the Continental. In use at Patterson Park and on the lawns of Messrs. Robert Garrett, William H. Whittridge, R. B. Smith, German H. Hunt, Edward A. Griffith, at Church Home, the Woman's College of Baltimore City, and many others. Splendidly built. A full stock of machines and repairs always on hand.

Write for special circulars and prices.

Retail prices, 15-in. \$11.50, 17-in. \$13.00, 19-in. \$14.50, 21-in. \$16.00
List prices, 15-in. \$25.00, 17-in. \$28.00, 19-in. \$31.00, 21-in. \$34.00



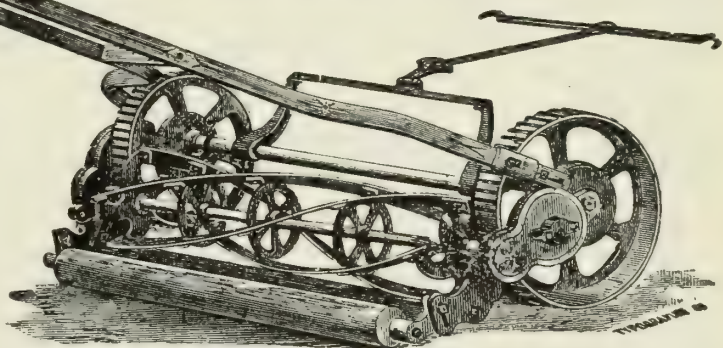
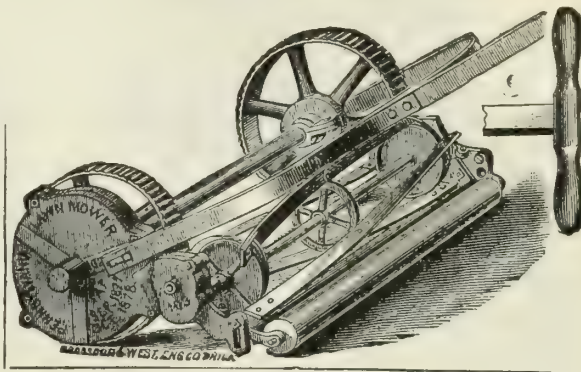
Pennsylvania High Wheel Mower.

Retail prices, 15-in. \$10.00, 17-in. \$11.50, 19-in. \$12.50, 21-in. \$14.00.
List Prices, 15-in. \$25.00, 17-in. \$28.00, 19-in. \$31.00, 21-in. \$34.00.

NEW PONY (or Two-Man) LAWN MOWER.

There is a two-fold advantage in having a wide cut Mower of this description; it can be used by a man to pull and boy to guide, when early in the spring, the ground being soft, a horse would cut through and make the lawn rough and uneven, and it is so constructed, that later in the season it can be used by a pony with man or boy to guide. It has a patent rear cut, with a train of gears and patent yielding dead knife, which make it self-sharpening; patent jointed draft irons and a new patent shifting clutch by which the Mower can be thrown out of gear whilst moving from place to place over terraces or lawn. It has a large reel with patent cylinder knives, making it suitable to cut grass 2 to 10 inches high; brass boxes with extra long bearing.

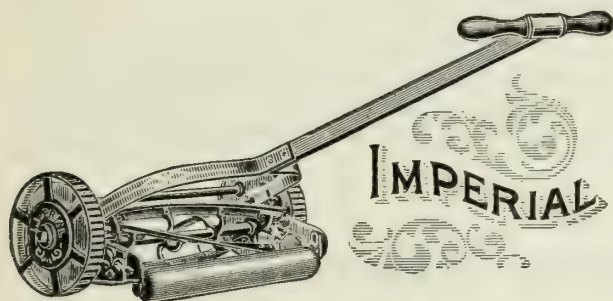
Retail price.....\$28 00
List price.....50 00



IMPERIAL LAWN MOWER—4 Blades.

The frame in this Mower is perfectly rigid, the result of leaving stationary and adjustable the bottom knife bar, which forms one of the four sides of the frame. The knives are adjusted by moving the revolving cutter up and down to meet the bottom knife. The adjustment is self locking, which saves your knives. The Ratchet is practically indestructible. It is especially made and adapted for terraces, doing this work as well as on a level lawn. Being a high wheel machine, it cuts grass 6 to 10 inches high equally as well as 2 to 4 inches high.

Retail price, 14-in. \$ 9.00, 16-in. \$10.00, 18-in. \$11.00, 20-in. \$12.00
List price, 14-in. \$20.00, 16-in. \$22.00, 18-in. \$24.00, 20-in. \$26.00



BALTIMORE CHAIN ROLLER MOWER.

This Mower is made especially for use on GOLF LINKS, TERRACES, VERGES, etc., and yet retains all the other features necessary in a Mower for general work. A great advantage in this Mower is the substitution of a bicycle chain for the gears generally used in this style of machine. This reduces the noise and friction to a minimum. The driving rollers are made in two sections, allowing the machine to turn easily and without marring the lawn. Brass bushings, steel shafting knives and a most complete self-dumping grass catcher.

12-in. \$12.00—with grass box \$13.50 14-in. \$14.50—with grass box \$16.00
16-in. \$15.25—with grass box \$16.75.

Horse
Boots
for use
on
Lawns
\$8.00
per Set.



PHILADELPHIA HAND AND HORSE LAWN MOWERS.

Prices Style M, or Solid Cylinder.

Retail Price.	List Price.
10-inch....\$4 50	\$13 00
12-inch.... 5 00	15 00
14-inch.... 5 50	17 00
16-inch.... 6 25	19 00
18-inch.... 7 00	21 00

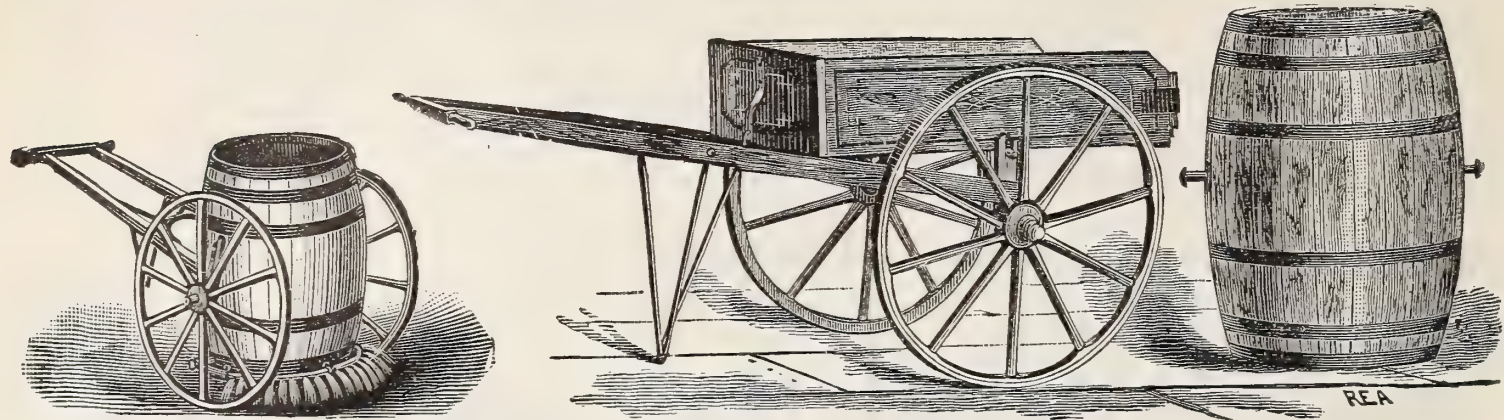
Price, Style S, or Open Cylinder.

Retail, 14-in. \$6.25, 16-in. \$7.00, 18-in. \$7.75
List, 14-in. 17.00, 16-in. 19.00, 18-in. 21.00

30-inch Philadelphia Horse Mower, with draft rod, \$65.00; 30-inch Mower, with shafts and seat, \$75.00.

REPAIRING LAWN MOWERS A SPECIALTY.

Combination of Barrel, Truck, Hand Cart, Sprinkler, and Barrel Force Pump.



PRICES.—Less 5 per cent. for cash.

Water Truck.....	\$6.75	Sprinkling Attachment.....	\$3.00
Water Truck and Barrel.....	9.00	Leaf Racks.....	4.00
Water Truck and Box.....	9.00	New Barrel.....	2.25
Water Truck, Barrel and Box.....	11.25	Box.....	2.25
Force Pump Attachment.....	5.00		

For 2½-in. tires on trucks, add to the above prices \$1.25. For 4-in. tires on trucks, add to the above prices \$2.00.

During the last two years we have improved our Water Trucks very much by making them the strongest and best proportioned Truck that we have seen; our wheels are two inches higher than those used by a number of other manufacturers, and our hubs are heavier and longer.

We use NEW BARRELS and not second hand ones as are used by almost all other manufacturers; these barrels are made specially for the purpose and are just right; there are no bung-holes to be stopped up and the edges of the top are not sharp as is the case with all old barrels that have been used for other purposes.

When we consider the almost innumerable uses to which the Combined Truck and Hand Cart can be applied, its handiness, and the immense amount of time and hard labor saved by its use, it is not a matter of surprise that it is steadily growing into favor. It is one of those articles that causes the user to wonder how he ever did without it, as it really becomes indispensable when once used.

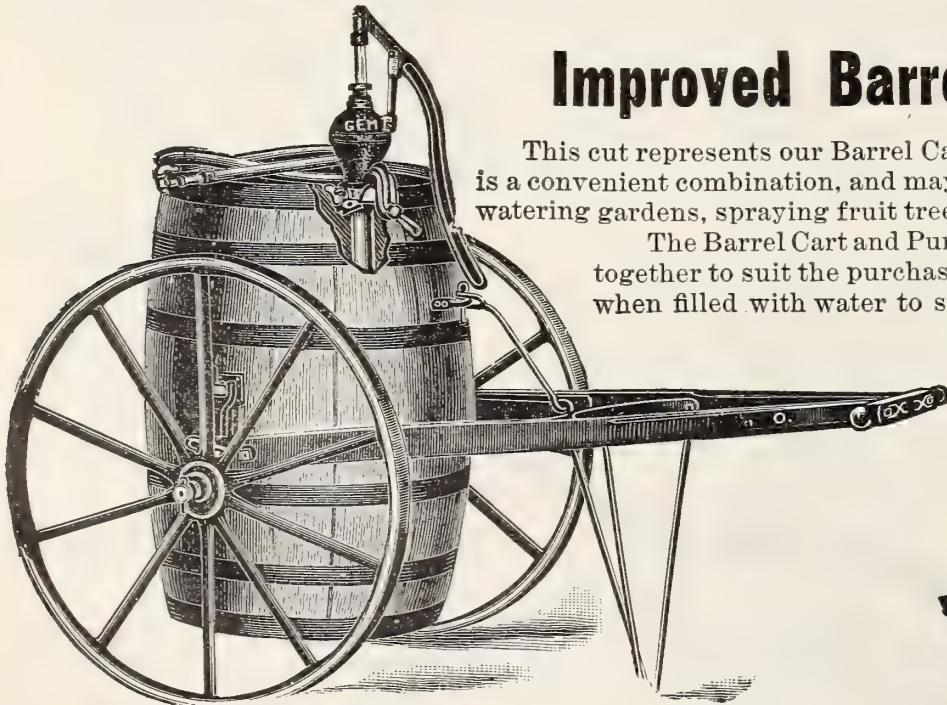
The barrel is raised from the ground, carried to the place desired and instantly detached, all without handling. The weight being balanced over the axle, no lifting or down pressure is needed in transportation.

Other barrels for various purposes can be used as needed, extra trunnions being furnished, if desired, which can be readily attached to any oil or spirit barrel, thus increasing indefinitely the value of the truck.

We have wheels of 1½, 2½ and 4-inch tread, but always send truck with wheels 1½-inch tread, unless otherwise specified.

We also supply a box, with trunnions and spring catch, making a very superior dumping Hand Cart. Very stiff, compact, handsome and low in price. Furnished with or without barrel or box, as ordered. A first-class force pump, sprinkling attachment and leaf rack furnished as attachments. Just the thing for washing windows and carriages and for spraying trees; also for sprinkling lawns. The leaf rack is a very useful article for moving leaves, etc., from the lawn.

Improved Barrel Watering Cart.



"GEM" SPRAY PUMP WITH BARREL CART.

This cut represents our Barrel Cart, with "Gem" Brass Spray Pump. This is a convenient combination, and may be found useful in various ways; such as watering gardens, spraying fruit trees, etc.

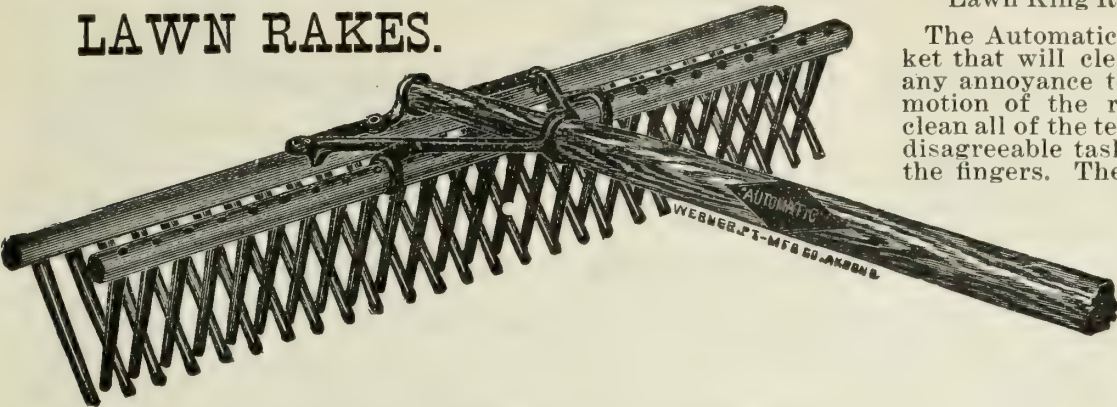
The Barrel Cart and Pump may be ordered separately and arranged together to suit the purchaser. The Barrel cart may be wheeled about when filled with water to supply sprinkling cans for watering flowers and vegetable gardens. When the running gear or truck is ordered without barrel, the trunnions may easily be fastened to any good water-tight barrel by any person with ordinary mechanical ability.



PRICES.—Less 5 per cent. for cash.

Running Gear only, without barrel or pump.....	\$ 6.75
Barrel Cart complete, with barrel and pump.....	15.00
Price of Plain New Barrel.....	2.25
Price of Plain Pump.....	5.00
Price of Sprinkling Attachment.....	3.00
Price of Leaf Racks.....	4.00

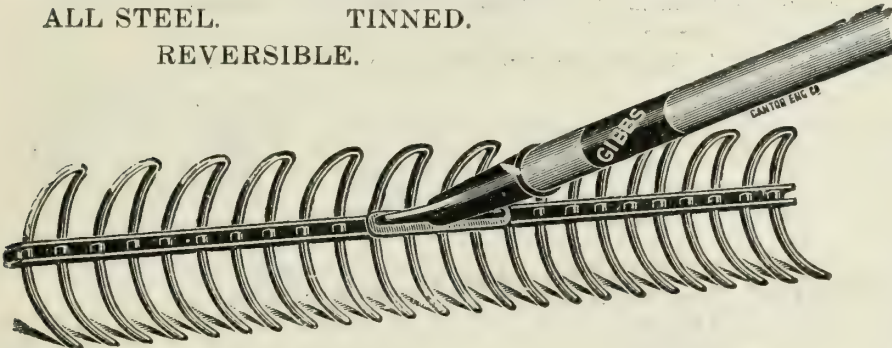
AUTOMATIC SELF-CLEANING
LAWN RAKES.



With 22 teeth..... 60 cents.
 With 26 teeth.....70 cents.
 Lawn King Rake with 22 teeth.40 cents.
 The Automatic is the only rake on the market that will clean itself from grass without any annoyance to the operator. A backward motion of the rake from the operator will clean all of the teeth at once, thus avoiding the disagreeable task of cleaning the teeth with the fingers. The teeth are made of the best hickory, and will not tear the sod or grass. The Automatic has been thoroughly tested and has given excellent satisfaction.

"THE HUSTLER" LAWN RAKE.

ALL STEEL. TINNED.
 REVERSIBLE.

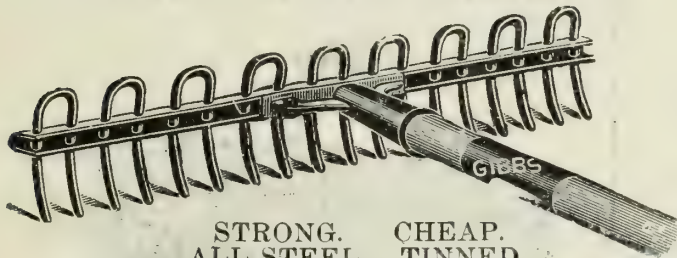


No. 1—21-inch head, 24 Steel Wire Teeth of No. 8 gauge.....50 cents.
 Gibbs Lawn Rakes.....60 cents.
 Canton Lawn Rakes.....50 cents

"The Hustler" combines all the best points that go to make a perfect rake, One that is Light, Strong, Neat and cheap.
 It is made with a steel head bent in the stiffest form, in which the teeth are securely held.
 The Socket is strong and firmly fastened to head without the use of rivets.
 The Rake is coated with Tin which gives a fine bright finish and will not rust nor become shopworn.
 It is reversible, the single teeth for taking

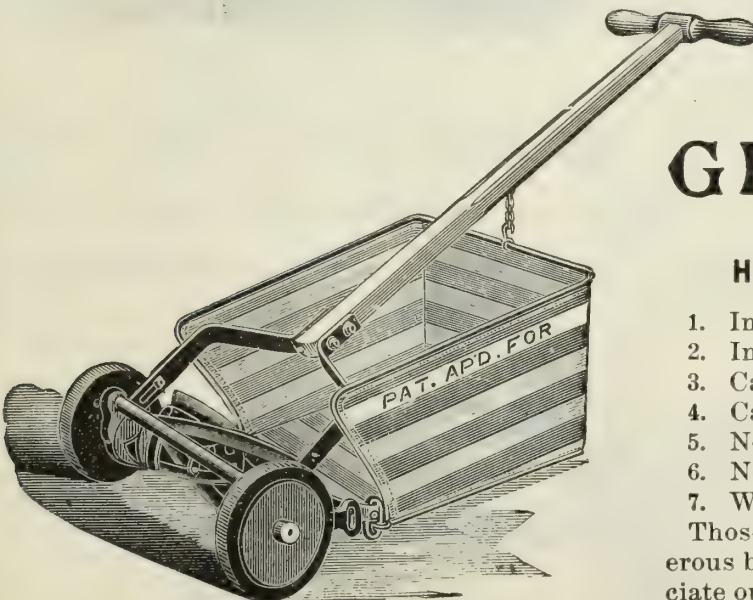
up cut grass and the double teeth for leaves and rubbish. In either position a hood is had which gives more raking capacity.
 The curve of the teeth is such as to run smoothly and rake clean without tearing the sod. They do not clog—a backward motion clearing all the teeth at once.
 "The Hustler" is practically indestructible and can "Never Break."

THE BOSS GARDEN RAKE.



STRONG. CHEAP.
 ALL STEEL. TINNED.

No. 18—15½-inch Head, 18 Steel-pointed Teeth.... 40 cents.
 Boss 6-Tooth Weeder..... 25 cents.
 This Steel Garden Rake while new, has been in use long enough to demonstrate fully its superiority.
 It is light, well braced and very durable.
 Head is of steel, specially formed for stiffness and strength.
 The teeth are made from tough steel rods, and will not break, therefore are superior to forged teeth. They are solidly held in place.
 The socket is firmly secured to head without rivets or weld.
 The double Teeth extending above the head are for breaking clods and will pulverize the ground finer and more quickly than with any other rake.
 It is also well adapted for small lawns as a lawn rake, for stable use and on gravel walks.
 The handles are of selected ash, and all other parts being brightly Tinned, cannot rust or become shopworn. Its strong construction, excellent finish and low price wins favor at sight and makes it a ready seller.



THE ONLY PRACTICAL
GRASS CATCHER.

Has the following Advantages over all others :

- 1. Instantly self-adjustable.
- 2. Instantly self-attachable.
- 3. Can be instantly detached for dumping grass.
- 4. Can be instantly replaced.
- 5. No ears or patent fastenings to get out of place.
- 6. No bolts to constantly tighten or get out of place.
- 7. Will fit any make of mower.

Those who have tried to attach a grass catcher and lost numerous bolts and nuts, to say nothing of their tempers, will appreciate our SELF-ATTACHABLE.

SIZES.

No. 1.	For Mowers	12, 14, 16 inch.	Depth, front, 5 inches, Back, 8 inches.....\$	75
No. 2.	"	16, 18, 20 "	" " 5 " " 8 "	75
No. 10.	"	12, 14, 16 "	" " 5 " " 16 "	75
No. 15.	"	15, 16, 18 "	" " 5 " " 16 "	1 00
No. 20.	"	16, 18, 20 "	" " 5 " " 16 "	1 00

ALL KINDS OF MACHINERY REPAIRED.

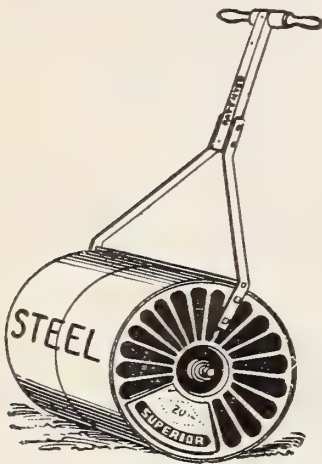
STEEL ROLLERS AND ATTACHMENTS

—FOR—

Levelling, Seeding and Fertilizing Lawns and Parks.

PERFECT RESULTS FROM PERFECT TOOLS.

Wet soil and grass clippings will not stick to steel as they will to cast iron.
Smooth surfaces and close joints only will perfect lawn, walk or tennis court.



SUPERIOR STEEL HAND ROLLERS.

As rolling is most effective when the soil is moist and pliable, our steel rollers are the only implements fully equal to the needs of those who wish to give the limit of finish to their walks, lawns and tennis courts.
The sections are made of smooth rolled steel, without projection or roughness of any kind to gather soil or grass.
The axles are of polished machinery steel, and the journal boxes are lathe bored and babbitted to reduce friction. The result is a roller which can be used of maximum weight with a minimum of power.
The handles stand erect automatically. The rims are cushioned to prevent breakage and deaden the disagreeable noise common to ordinary rollers when in use.

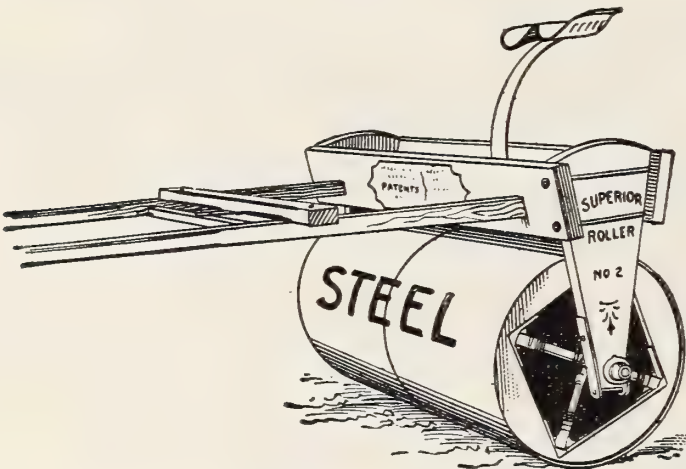
PRICE-LIST OF SUPERIOR HAND ROLLERS.

						List Price.	Retail Price.
No. A.—1	Section.	Track, 20 in.	Diameter, 20 in.	Av. wt., 250 lbs.	\$14.00		\$10.50
" C.—2	"	" 20 "	" 20 "	" 275 "	15.00		11.25
" F.—2	"	" 24 "	" 24 "	" 400 "	21.00		15.75
Extra weights, 25 lbs. each, price \$1.25.							

CAST IRON HAND LAWN ROLLERS.

SIZES AND PRICES.

No. 0—2	Sections, each 6½ in. face.	10 in.	Diameter.	Weight, 130 lbs.	\$ 6.00
" 1—2	" 9 "	12 "	"	200 "	8.00
" 2—2	" 11 "	15 "	"	300 "	10.50



This hadsome line of rollers is made especially for use on
Lawns, Parks, Public Grounds and for Farm Use.

The edges of the drum rims are butted and double riveted, and present a perfectly smooth rolling surface without projection or inequality to collect dirt or grass clippings. Every care is taken to produce the best article possible for these most exacting uses.

Number and Description.	Length.	Diameter.	Av. wt.	Price.
2 L.—2 Sections.	4 feet.	24 inches.	500 lbs.	\$2500
0 L.—3	5	24	550 "	30.00

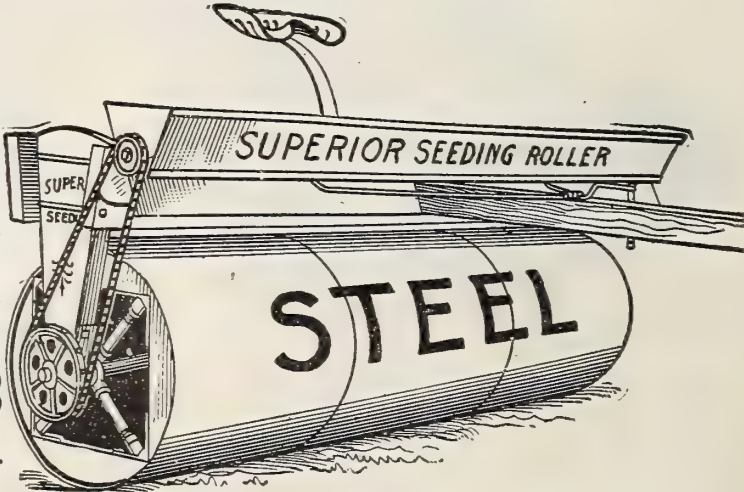
\$5.00 off above prices for cash.

Our Superior Steel Lawn and Field Seed-
ing Rollers supply the demand for an implement which can be operated early in the spring, or even during the winter. Lawns for their proper care and maintenance should yearly have a substantial top-dressing of ground bone. To scatter this evenly by hand or by shovel from a wheelbarrow is difficult. To roll it in properly by hand is well nigh impossible. To leave the bone on the surface, is to have most of it washed away by the early spring rains. We therefore earnestly recommend the use of our Seeding Roller, first for scattering dry ground bone, later for renewing worn spots with grass seed, and always for rolling. A lawn cannot, in reason, be rolled too often, and advantage should be taken of any warm periods during the winter, and wet periods during the summer.

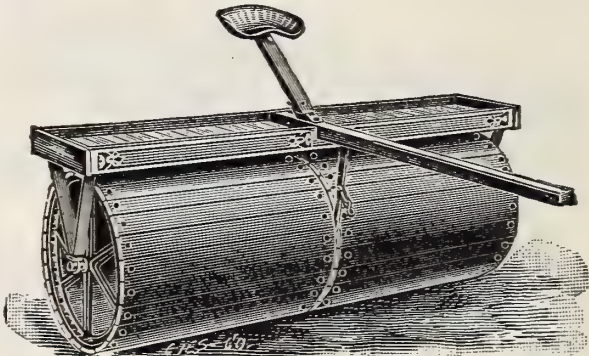
No.	Length.	Diameter.	Av. wt.	Price.
No. 3—Plain Roller,	6 ft.	24 in.	550 lbs.	\$30.00
5—	6	30	650	40.00

\$5.00 off these prices for cash.

All of the above Rollers have 3 sections. Additional for seed sowing attachments to fit No. 3 or 5 Roller, \$10.00.



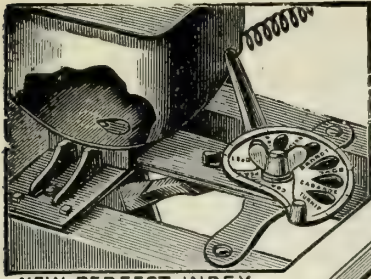
Wood Field Rollers.



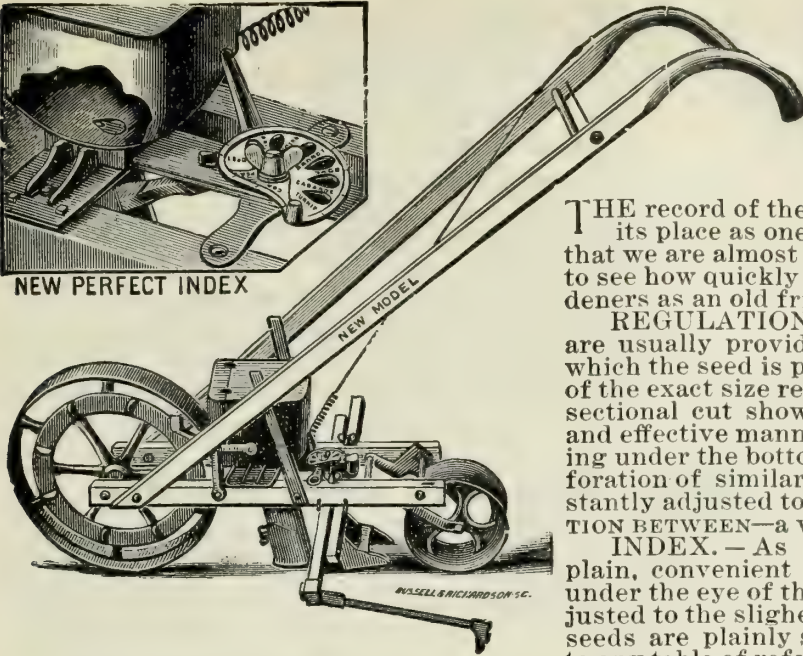
OAK STAVE ROLLER.

SIZES AND PRICES.

27 in. diameter, 2 sections, as per cut....	\$20.00
27 " " 1 "	14.00



NEW PERFECT INDEX



The "New Model" Seed Drill.

One of the most perfect Drills in America.

PRICE, - - \$6.50

THE record of the "New Model" has been so entirely satisfactory, and its place as one of the leading drills has become so firmly established that we are almost tempted to discard the term "New." It is surprising to see how quickly it has been adopted by the seedsmen and market gardeners as an old friend.

REGULATION OF DISCHARGE.—Drills of similar construction are usually provided with a series of holes of varying sizes through which the seed is passed, which, of course, do not always give an opening of the exact size required. As will be readily seen, by reference to the sectional cut shown, this adjustment is accomplished in a very simple and effective manner by use of a slide with a pear-shaped opening, passing under the bottom of the seed reservoir, which is provided with a perforation of similar shape in a reversed position. This slide can be instantly adjusted to size indicated by Index, or to a HAIR-BREADTH VARIATION BETWEEN—a vital point in a perfect seed drill.

INDEX.—As shown by enlarged cut the Index or Indicator is plain, convenient and reliable. It is placed in open sight immediately under the eye of the operator, and, as stated above, can be quickly adjusted to the slightest variation desired. As the names of the principal seeds are plainly shown on the Index itself, it is not necessary to refer to any table of reference.

CUT-OFF.—The flow of seed can be instantly stopped by a SWINGING cut-off, conveniently operated by a cord and ring on handle. This cut-off prevents all loss of seed at end of rows, and its swinging or gravity form will be found far preferable to one that slides under, as it can not be jammed by the falling seed.

MARKER.—Is simple, easily adjusted and firmly held.

BROAD WHEEL.—The main wheel is of large size and of unusual width, preventing its sinking into soft earth.

COVERING ROLLER.—Is attached by swinging frame, enabling operator to roll lightly or otherwise, by varying the pressure on handles; or, as some object to use of roller, it, with its frame, can be quickly removed.

OPENING PLOW.—Is of STEEL, adjustable in depth.

HANDLES.—Firmly bolted, braced and adjustable in height.

The Gem Wheel Hoe.

AN OLD TOOL, BUT NOTHING BEATS IT YET.

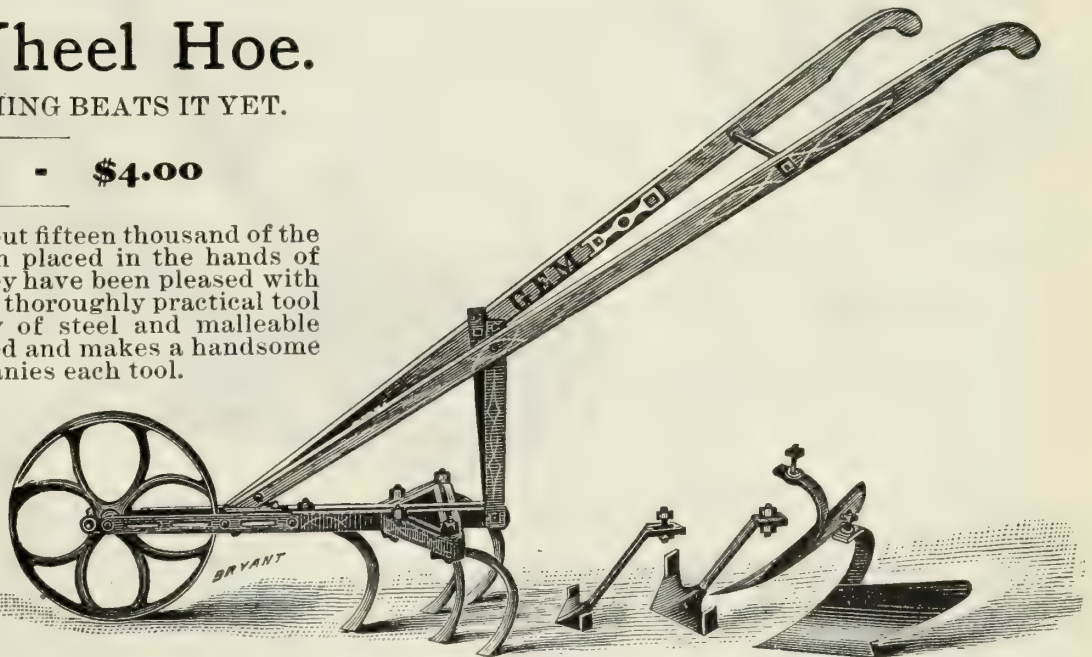
PRICE, - - - \$4.00

DURING the last few years about fifteen thousand of the Gem Wheel Hoes have been placed in the hands of Gardeners and in every case they have been pleased with them so far as we know. It is a thoroughly practical tool in every respect, made largely of steel and malleable iron. The Gem is nicely finished and makes a handsome implement. A wrench accompanies each tool.

The Jewel Wheel Plow

Price, \$2.00

Malleable Iron and Steel. Very light and convenient. A grand little tool for the garden.



The "Jewel" Double Wheel Hoe, Cultivator and Plow Combined.

PRICE, - - \$4.50

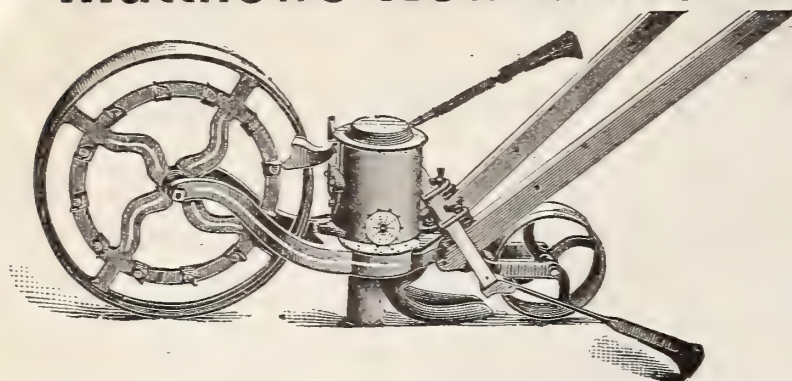


IN these days of "intense" farming—with a liberal use of fertilizer and close planting of crops—economy demands the use of Wheel Hoes, not only in the small garden Plot, but in the larger field as well. Economy, in the expenditure of manual labor, likewise demands that Wheel Hoes shall be constructed in such a manner and of such material as to insure LIGHTNESS together with great strength. Ordinarily they are made of cast iron, and in the attempt to produce a tool sufficiently light, constant disastrous breaks while at work are the sure results. To accomplish the one and avoid the other, the entire frame of the "Jewel" Hoe is made of the best malleable iron, making an exceedingly light tool and one pleasant to handle, at the same time giving an almost absolute security against breakages. The "Jewel" is capable of being quickly adjusted in depth or width of working, or height of handles. As shown in cut, it is provided with four slender stirring teeth, each one made of one piece of steel, unexcelled for thorough work, especially on hard soil; one pair of side hoes, particularly intended for use among small plants; also a pair of plows for throwing to or from the row, or for opening furrows. The standards of these hoes and plows are of malleable iron—no cast iron.

THE "JEWEL" DOUBLE WHEEL HOES are carefully made, handsomely finished, and weigh but 22 lbs. each complete.

ALL KINDS OF MACHINERY REPAIRED.

Matthews New Universal Model Garden Drill.



ONE OF THE STANDARD DRILLS OF AMERICA.

Simple in Construction.

Neat in Design.

Efficient in Operation.

NONE BETTER CAN BE SECURED.

Medals and testimonials confirming the superiority of the "Matthews" have been repeatedly bestowed upon it from all quarters, and as it has been improved from time to time it has always been acknowledged

One of the Most Perfect Drills Made.

The present form is the neatest and simplest yet produced, and cannot fail of proving an even more popular modification of this reliable drill.

Our Retail Price, \$6.00. List Price, \$9 00.

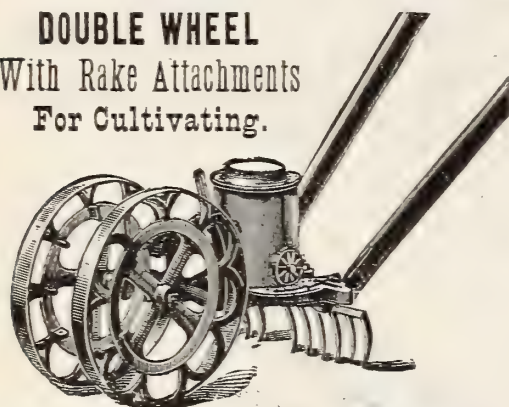
Less 5 per cent. for cash.

Matthews New Universal Model Hill and Drill Seeder.

This implement is the same in style and working qualities as the one just described, but is arranged so as to drop the seed continuously in drills or at distance of 4, 8, 12, 16, 24 and 48 inches apart. The adjustment from drills to hills is made by one screw in attaching a brass cut-off to the agitator. The distance apart is regulated by the number of cogs on the driving wheel against which the agitator strikes. The seed cannot drop except when the hole in the bottom of seed box is opened by the agitator striking a cog on the wheel, and it immediately closes again as the agitator drops. This saves seed, as no more need be dropped at a time than is desired, no matter what the distance may be. There are no parts to wear or get out of order. If this implement is wanted be sure and order the "Hill and Drill Seeder," as the regular garden drill cannot be fitted with the attachments.

OUR RETAIL PRICE, \$6.25. Less 5 per cent. for cash. LIST PRICE, \$10.00.

DOUBLE WHEEL
With Rake Attachments
For Cultivating.



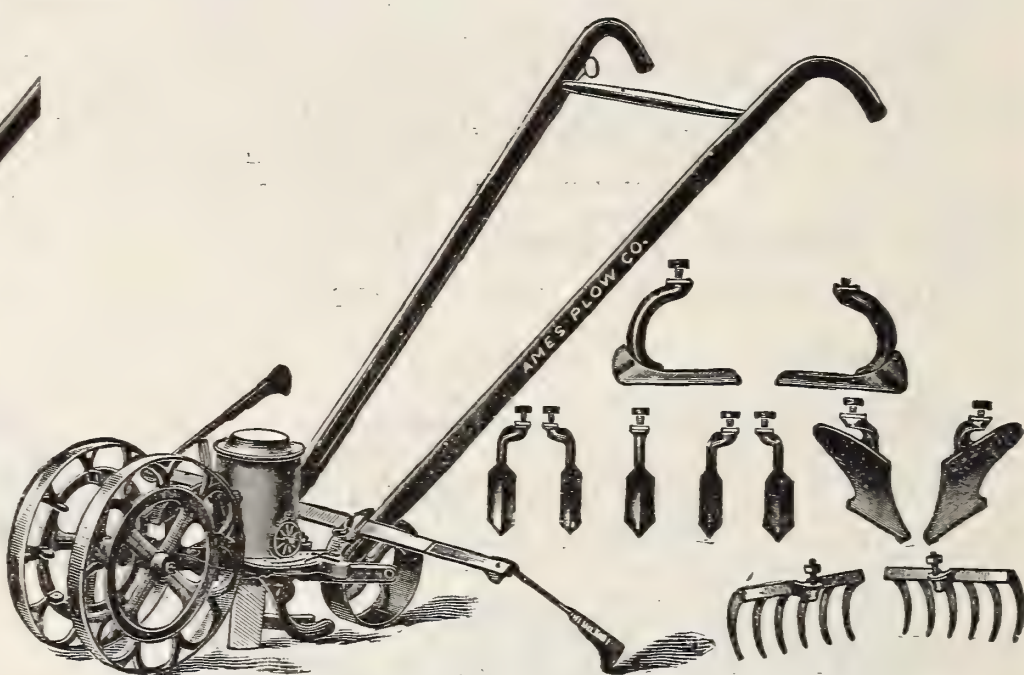
Matthews New Universal Model
Combination Drill.

Double Wheel, with Hoe, Cultivator,
Plow and Rake Attachments.

Our Retail Price, \$7.50.

Less 5 per cent. for cash.

LIST PRICE, - - \$12.50.



This is not only a desirable combination of the Garden Drill already described with the New Universal Cultivating attachment, but it has the advantages of having either a double wheel or single wheel implement at will, the change from one to the other being readily made.

The use of a one wheel seed sower insures the nicer work, as if two wheels are used an obstruction under one wheel or the other has a tendency to crook the rows, and this makes after cultivation harder. The operator always has a one-wheel seeder under full control, and in addition the single wheel follows in the mark made when planting the previous row and presents a sight to keep the rows straight.

The two wheels are desirable, however, when used as a cultivator or wheel hoe, as in this way the rows of young plants may be straddled and the cultivating done on both sides of the row at one passing. The special feature of this implement is that when used in straddle-row cultivation there is no projection below the frame to interfere with plants. The seeding and covering attachments can be readily removed when the implement is used for cultivating. It is not necessary to remove the seed box, but it can be taken off if desired. The combination is one which cannot fail of recommending itself to all. The attachments are—

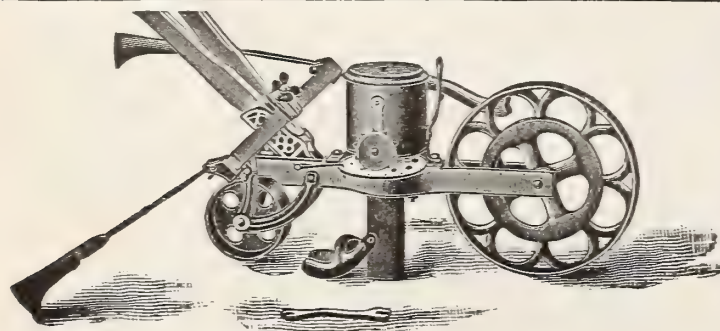
ONE (1) PAIR HOES.
ONE (1) PAIR RAKES.

FIVE (5) CULTIVATOR TEETH.
ONE (1) PAIR PLOWS.

Extracts from Prof. S. B. Green's report in Bulletin No. 38 of Minnesota Experiment Station, as published in the "Market Garden" for March, 1895.

"During the past year I have made a special study of garden implements best adapted for garden use. The (New Universal) Combination Drill and Cultivator is arranged to use either one or two wheels. The indicator is very simple in construction and easily handled. The agitator is sure to keep the seed moving through constantly. The depth of sowing can easily be regulated. The marker is well adapted for giving a clean track for successive rows, and is easily changed to different widths. A convenient cut-off is provided to use when turning at the ends of the rows to prevent loss of seed. The change from the drill to the cultivator can be made very quickly. For working the soil it has hoes, plows, rakes and cultivator teeth of good shape and size. It can be used successfully to open or close furrows. The machine is adapted to working on both sides of a single row with two wheels or between the rows. The manufacturers recommend for market gardeners instead of this combined implement separate implements to save the time of changes.

"The New Universal hand double wheel hoe, cultivator and plow is an implement of recent introduction having all the latest improvements. It contains a handy feature in the adjustable arch by which the depth of the cultivator teeth may be regulated. It may be used to work between the rows or to straddle one row."



Matthews Garden Gem Drill.

Our Retail Price, \$4.00. List Price, \$7.00.

Less 5 per cent. for cash.

This has been perfected to meet the demand for a low-priced drill. We have not only accomplished this in our design, but here offer a drill with all the essential qualities of the Matthews principle, even to embodying Seed Dial and Indicator, from exactly same patterns as those used on the larger and more expensive drills. We do not recommend it for use instead of the larger drills, but we are sure that all in want of such a drill as we represent this to be will find it to their advantage to buy the Matthews Garden Gem. This drill does not have the new seed cut-off, but the agitator can be checked same as in the larger drills.

ALL KINDS OF MACHINERY REPAIRED.

NEW UNIVERSAL HAND DOUBLE WHEEL HOE, CULTIVATOR, PLOW AND RAKE.

Specially designed for working both sides of the row at one passing.

THE special recommendation is the *Adjustable Arch* by which not only the *depth* of work can be gauged, but which by an ingenious device enables the teeth to be pitched at any angle desired.

It can be pushed straight ahead, but better results are obtained by using it same as a scuffle hoe, with successive strokes of length to suit the nature of soil and crop.

TO WORK BOTH SIDES of a row at one passing, the attachments can be set to suit width of crop to be cultivated, keeping row midway between wheels.

THE HOE BLADES can be set to turn in or out as desired by the operator.

THE CULTIVATOR TEETH. Four are furnished with each. Two cultivator teeth can be used at desired width to mark out rows.

THE PLOWS. For furrowing they can be set close together and turn outward.

For covering, set to width desired and turn inward.

THE RAKES. For fine cultivation and other uses of an ordinary rake. They can be set angling or straight across.

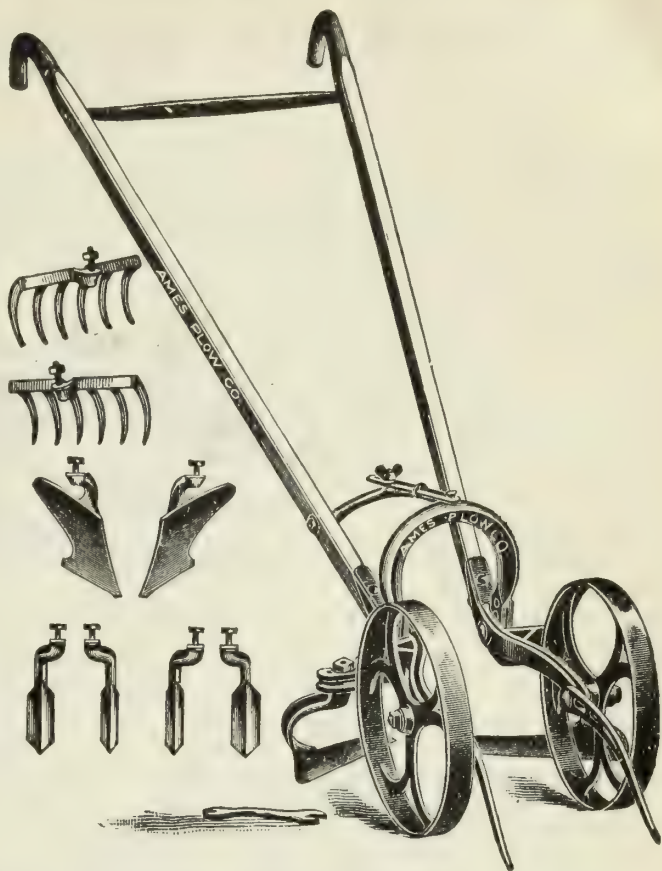
THE DEPTH can be regulated by adjusting wheel arms in the three holes provided on each side of Arch.

The depth can also be regulated by pitching the Arch by means of the Arch brace and the thumb bolt where it connects to lower handle brace.

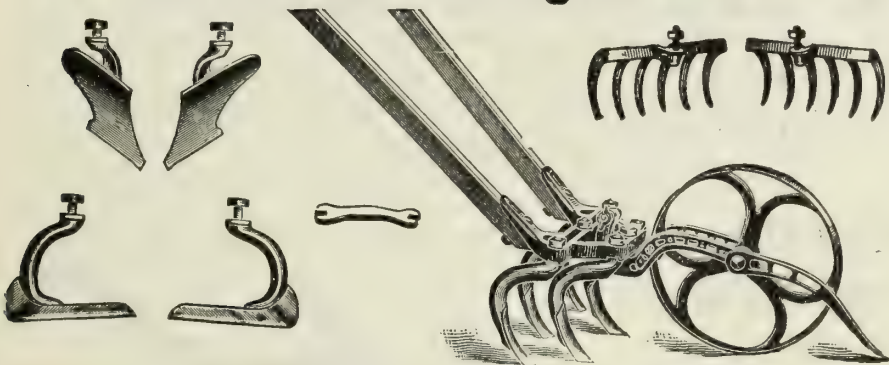
THE LEAF GUARDS are to prevent wheels from injuring large spreading foliage.

RETAIL PRICE, \$5.00. LIST PRICE, \$7.50.

Less 5 per cent. for cash.



New Universal Hand Single Wheel Hoe, Cultivator, Plow and Rake.



AS with the *Double Wheel Hoe* just described, this can be used either between or astride the rows, although it is really intended for between row cultivation. For straddle cultivation the wheel can be set to one side so as to bring the row of *young* plants under centre of frame. Later cultivation must be done between rows.

The attachments are one pair hoes, five cultivator teeth, one pair plows, one pair rakes and one vine or leaf guard.

RETAIL PRICE, \$1.25. LIST PRICE, \$6.50.

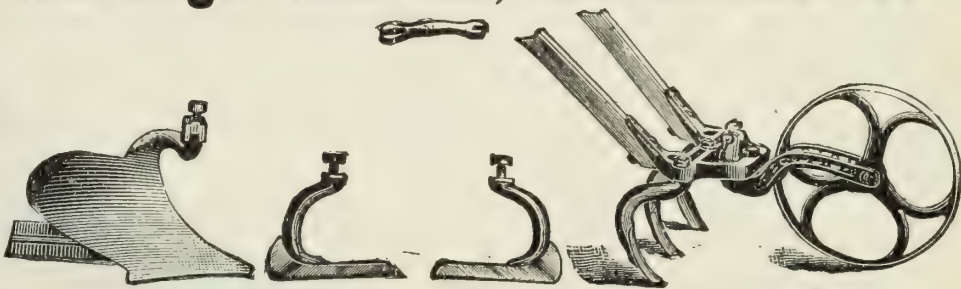
Less 5 per cent. for cash.

New Universal "Flier" Hand Single Wheel Hoe, Cultivator and Plow.

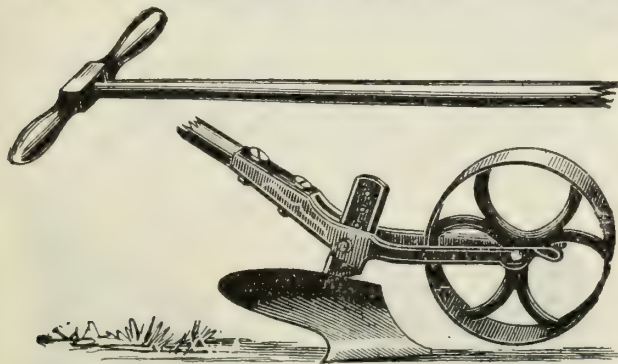
THIS implement is same as our regular Single Wheel Hoe, except that at this price fewer attachments are furnished. They are one pair hoes, three cultivator teeth and one large plow. If this style is wanted, be sure and order the "FLIER."

Retail Price, \$4.00. List Price, \$5.50.

Less 5 per cent. for cash.



NEW UNIVERSAL HAND WHEEL PLOW.

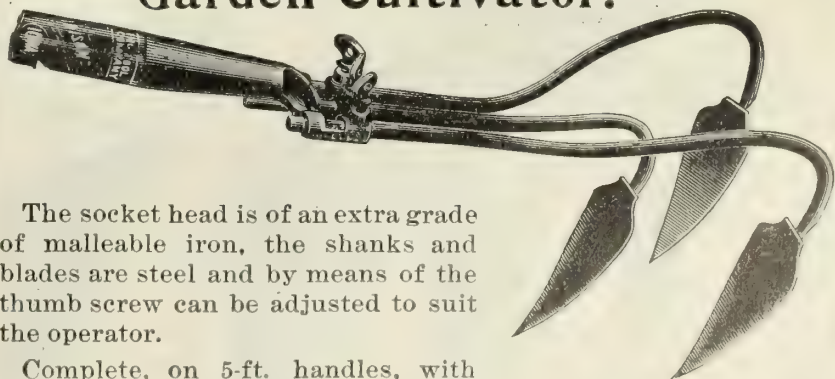


Retail Price, \$2.00. List Price, \$2.50.

Less 5 per cent. for cash.

This can be used to prepare the ground, to furrow out, to cover, and to cultivate. The mould board is of steel, polished and tempered.

THE "VICTOR" Garden Cultivator.



The socket head is of an extra grade of malleable iron, the shanks and blades are steel and by means of the thumb screw can be adjusted to suit the operator.

Complete, on 5-ft. handles, with 3x5-in. blades, \$1.25.

THE IRON AGE HORSE HOE.

One of the most satisfactory implements for a reasonable price. Probably no tool has been so widely imitated as the "IRON AGE" Cultivator, the original of this style of implement, and we are quite sure no other tool has kept so far ahead of its imitators. All Steel Frames. A grand, good thing. Sold with or without Lever Adjuster.

This Cultivator was first introduced in 1875, and the thousands now in use make a description unnecessary.

The IRON AGE is celebrated for solidity of construction, adaptation to a great variety of purposes and ease of handling. Thereversible hoes or plows of Horse Hoe are bolted to Solid Steel Standards of their own (not attached to light cultivator standards.) The value of the IRON AGE as a CORN COVERER is now well known, also for covering Peas, Potatoes, etc., and for making up rows for root crops it is not surpassed by any.



WHEEL AND CULTIVATOR COMBINATION, WITH AND WITHOUT LEVER ADJUSTER.

PRICES.

Iron Age Cultivator, plain.....	\$3 00
" " with Lever.....	3 75
" " Horse Hoe and Cultivator, plain.....	4 25
" " " " " " with Wheel.....	5 00
" " " " " " with Lever and Wheel.....	5 75
" " " " Cultivator and Corn Coverer combined, plain.....	5 25
" " " " " " with Lever.....	6 00

BALTIMORE FARMERS' FAVORITE AND OLD DOMINION HORSE HOES AND CULTIVATORS.

The Baltimore and Farmers' Favorite have bent Steel Frames.—The only difference between the Farmers' Favorite and Old Dominion Cultivators is that the latter is a little lighter, and F. F. has bent frame. We can furnish the Farmers' Favorite with draft rod when wanted.—The Old Dominion Cultivator is sold principally in Virginia and the South, and wherever sold it becomes a favorite. The Old Dominion has No. 68 plate, and the Baltimore No. 82 plates.

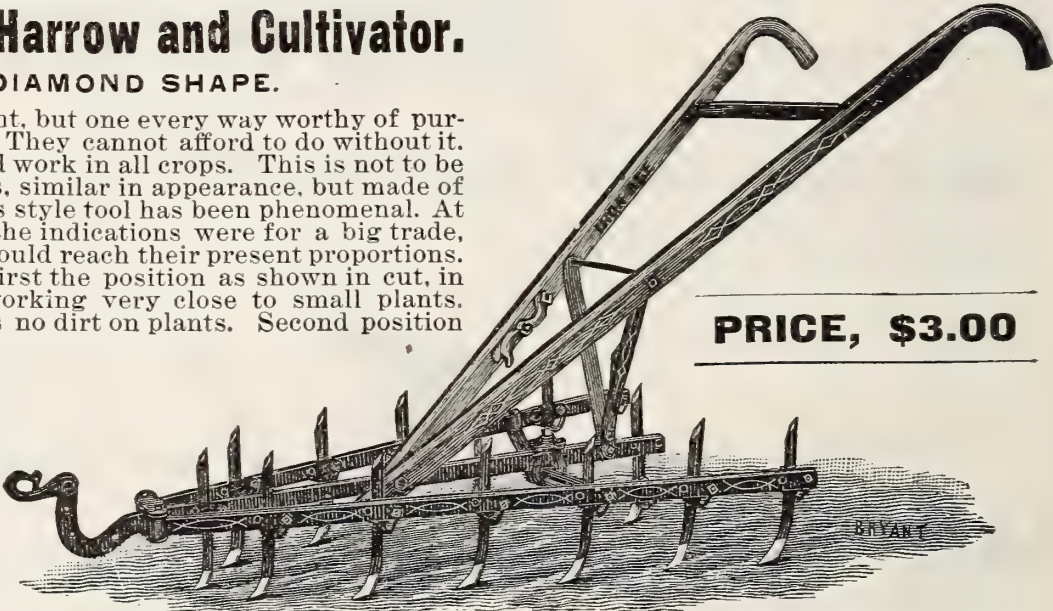
PRICES.

Baltimore Cultivator.....	\$2 75	Old Dominion Cultivator.....	\$2 50
Farmers' Favorite Cultivator, with Draft Rod.....	2 75	Old Dominion Cultivator and Horse Hoe, plain.....	3 75
Farmers' Fav. Horse Hoe & Cultivator comb'd, plain..	4 00	Old Dominion Cultivator and Horse Hoe, with Wheel	4 50
Farmers' Fav. Horse Hoe & Cult. comb'd, with Wheel,	4 75		

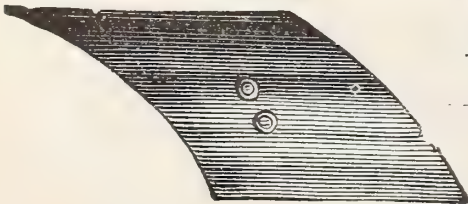
Baltimore Combined Harrow and Cultivator.

STEEL TEETH, DIAMOND SHAPE.

A comparatively new implement, but one every way worthy of purchase by all wide awake farmers. They cannot afford to do without it. Four positions of teeth, doing good work in all crops. This is not to be compared with low-priced Harrows, similar in appearance, but made of common material. The sale in this style tool has been phenomenal. At first we sold quite a number and the indications were for a big trade, but we had no idea that the sales would reach their present proportions. The teeth have four positions. First the position as shown in cut, in which case it can be used for working very close to small plants. Thoroughly pulverizes, but throws no dirt on plants. Second position as a straight tooth harrow. Third position, the ceeth can be arranged as a smoothing harrow, with sharp points down, in order to cut and level the surface. Fourth position, the teeth can be set with sheared end down, being less liable to injure young plants.

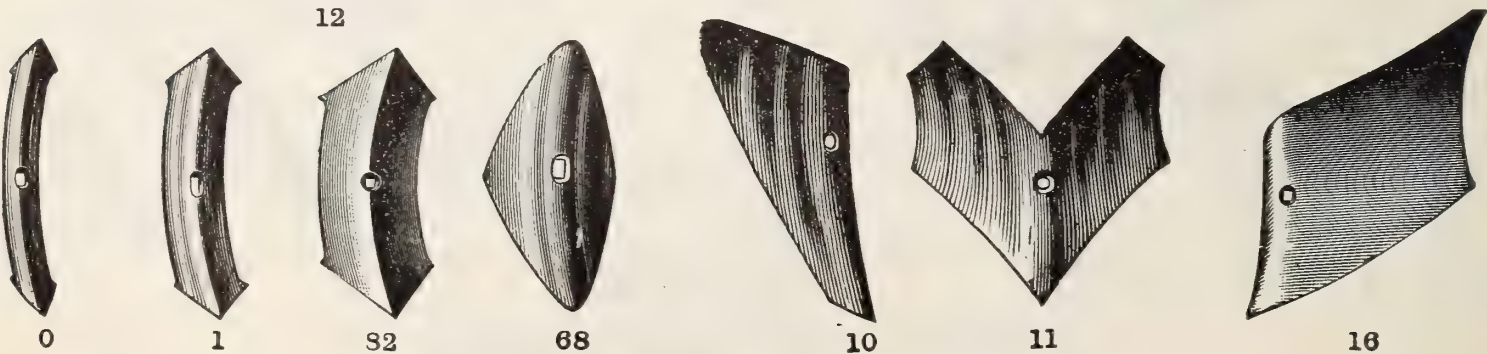


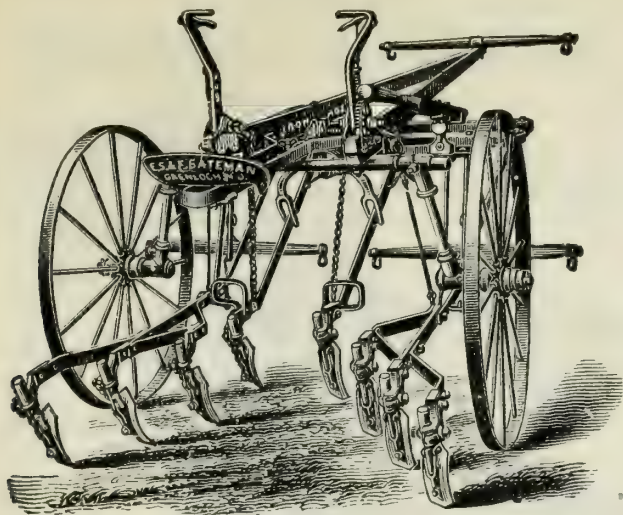
PRICE, \$3.00



Cultivator Points and Steels.

PRICES ON APPLICATION.





The "Iron Age" as a Fixed Wheel Riding Cultivator.

PRICE, - - - - \$27.00.

SPECIAL PRICE FOR CASH.

COMPLETE WITH ONE PAIR OF PLOWS, SHIELDS AND FALLOW TOOTH ATTACHMENT.

FOR a Riding Cultivator needed in very close work we offer the "Iron Age," No. 2, as being particularly adapted to the cultivation of peas, beans, and all close grown crops. Its wheels close up to 35" and widen to 43".

We take pleasure in recommending this implement to all those who have not used Riding Cultivators, owing to the fact that hitherto they have been made of such width that it has been impossible to work them satisfactory in close rows, and feel confident the market gardener will now find it well suited to his needs.

The "Iron Age" as a Pivot Wheel Cultivator.

PRICE, - - - - \$27.00. *Special price for cash.*

COMPLETE WITH ONE PAIR OF PLOWS, SHIELDS AND FALLOW TOOTH ATTACHMENT.

FOR cultivation of crops on hillsides, or for work among VERY crooked and irregular rows, there probably can be no cultivator so well adapted to the purpose as one making use of what we may call pivoted wheels, the wheels being guided by the feet and thus carrying the entire implement, with its gangs of teeth to right or left, as desired.

It has wonderful ease of guidance, the pivots being vertical, near the wheels, and the ends resting upon hardened steel balls.

The gangs are very rigid in order, they may instantly follow the direction by the wheels. For hilly sections we are prepared to furnish it with wheels having flanged tires to prevent slipping. Seat is arranged to drop below the arch bar, as shown in cut, or can be adjusted above it.

We would call attention to the great adjustability of the tool, to the fact that the gangs can be reduced to three, or even two teeth each, by the removal of the outside and inside teeth; while it will be noticed that the other valuable features of the rigid frame cultivator have been retained.



Hench Improved Riding and Walking Cultivator.

PRICE—Pin-Hoe Cultivators...\$27.00 | Extra Beam for Cultivating Orchards.... \$2.00
Spring-Hoe Cultivators, 31.00 |
Special price for cash.

This Cultivator has many advantages, as follows:

1st.—It has the improved movable spindle by which the operator guides the machine to the right or left at will; can be managed by any boy who can drive a team; has double tongue giving full view of the corn row.

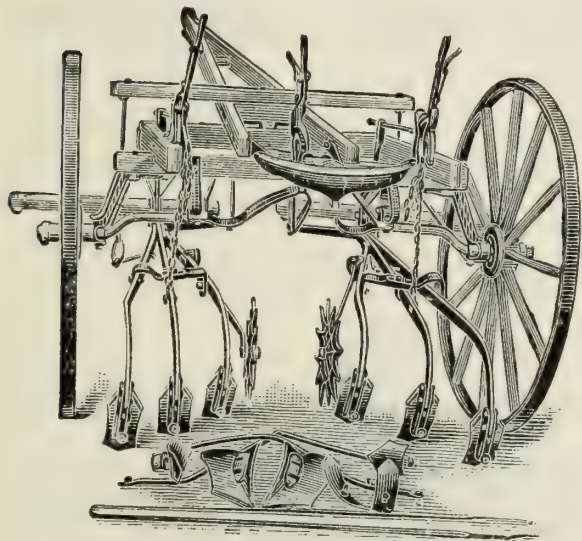
2d.—Each beam or drag bar has lever by which it can be raised independently, and by changing a bolt, both drag bars can be raised or lowered by one lever, and each has an independent spring pressure.

3d.—It has also a centre adjusting lever for setting the shovels closer to or from the corn row.

4th.—The drag bars couple in front with ball and socket bearings by which all lost motion and wear can be taken up.

5th.—The single-tree rods are connected to the shove' beams and serve as a pressure on the shovels while cultivating, and also assist the operator in raising the shovel beams. They are made with either pin-hoe or spring-hoe attachments.

6th.—Two centre beams and shovels are furnished with each machine, making an eight-shovel cultivator for fallow cultivating. The three shovel beams on either side can be set closer together or wider apart, and either one can be set to run deeper than the other. They can also be spaced six inches farther apart from front shovel to rear shovel.



Champion Steel Walking Cultivator.

IN the annexed is seen our six-shovel Corn and Fallow Cultivator with seventh or middle shovel.

Perfect spring pressure and hoisting device for regulating the shovel beams or drag bars for deep or shallow cultivating.

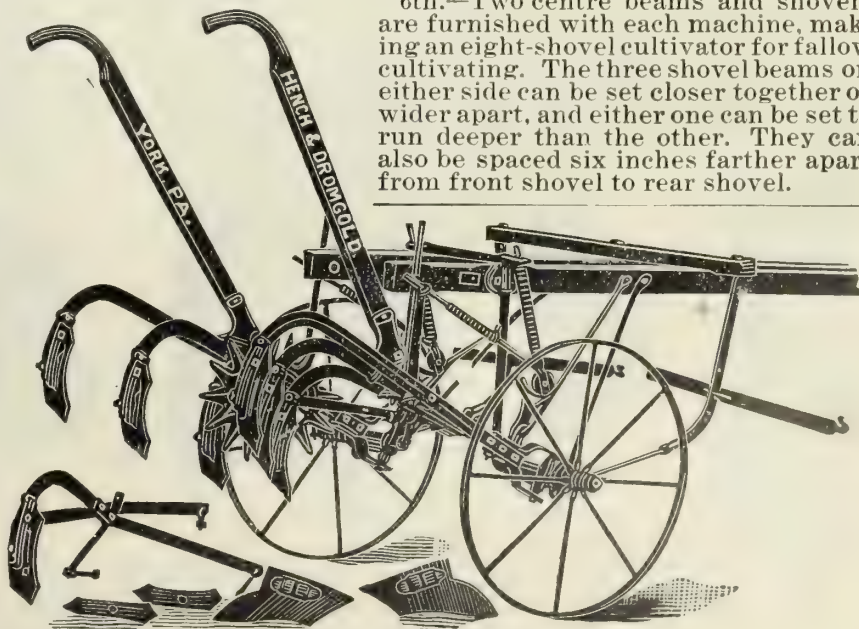
The high arch permits its use in high corn, and being firmly braced gives it great strength.

We furnish the same patent Spring Hoe that is used on our riding cultivators for rocky or stumpy land, at small extra cost.

PRICE:

Six-Shovel Cultivator, Pin-Hoe, with two Bull Tongue and two Hilling Shovels...\$18.00
Seventh or Middle Shovel, extra..... 2.00
Spring Hoe, extra per Hoe..... .75

Special price for cash.

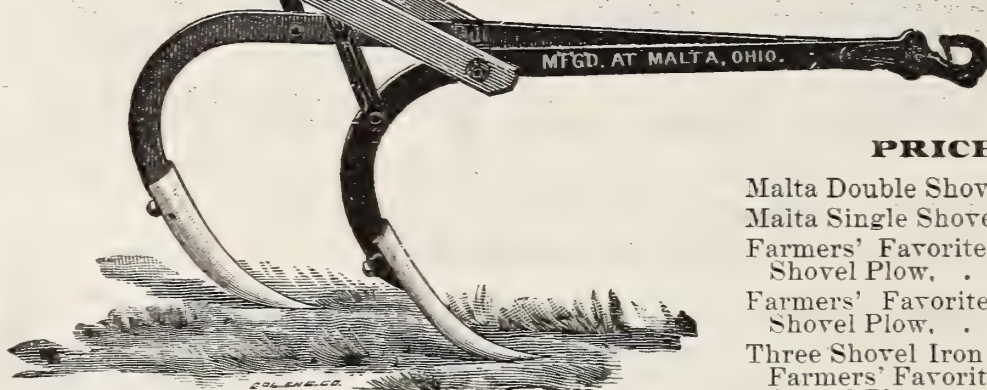
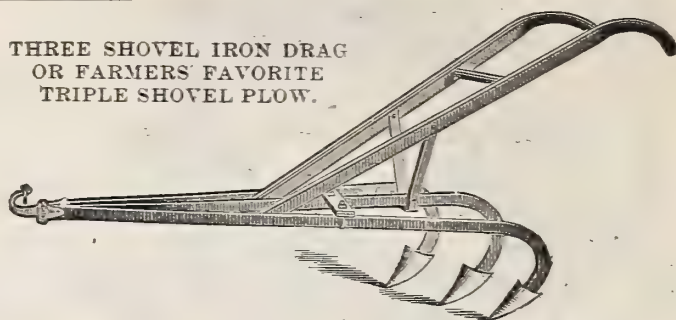


Genuine Malta Single and Double Shovel Plows and Steels.

THERE is probably no other tool so generally in use with the farmer that has become so famed as the "Malta" Iron Beam Double Shovel Plow. Being invented and patented many years ago, the manufacturers count the number that have been made, not by thousands or tens of thousands, but by hundreds of thousands. The "Genuine Malta" Double Shovel Plow, as it is now made, consists of two solid pieces of iron—milled especially—made extra heavy in the shank, and tapered at the point, giving strength where it is most needed. It is provided with Malleable Adjustable Clevis Hook and Handle Braces. Blades are of the best of Open-hearth Steel, full weight and any desired width.

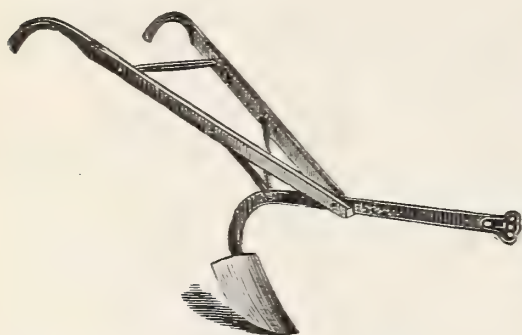
We desire to call particular attention to the "Two-Hole" feature in the shank—the most simple, sensible and substantial method yet devised for giving adjustment and long life to the blades. When the blades are new and long they should be bolted in the upper hole. But after they become worn of at the point, and do not have the proper pitch or angle, they should be dropped to the lower hole. The point of the blade is thereby thrown forward and given the same pitch or angle as when new. By this invention the farmer gets DOUBLE SERVICE out of each and every set of blades he wears out on his Plow, and has them always set properly on the beams. The Plow, therefore, will always do good work, be light in draft and easy to handle.

THREE SHOVEL IRON DRAG
OR FARMERS' FAVORITE
TRIPLE SHOVEL PLOW.



PRICES.

Malta Double Shovel Plow,	\$3.00
Malta Single Shovel Plow,	2.75
Farmers' Favorite Double Shovel Plow,	2.50
Farmers' Favorite Single Shovel Plow,	2.25
Three Shovel Iron Drag or Farmers' Favorite Triple Shovel Plow,	3.00



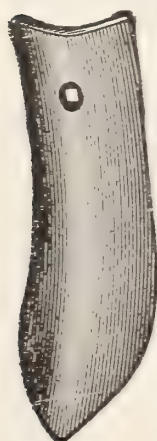
"MALTA" IRON BEAM SINGLE SHOVEL PLOW.

THIS Plow is extensively used throughout the Middle and Southern States.

The "Malta" Single Shovel Plow consists of one Solid Iron Bar, rolled in such a manner as to give it great strength, is extra heavy in the curve and tapered at the point or front end, to which is attached our Adjustable Clevis Hook. Blades are attached to beam with two bolts, and vary in width from six to sixteen inches. In ordering, always specify width of blade. Blades from twelve to sixteen inches wide are special sizes, and will not be furnished on Plows without additional cost.

Malta and F. F. Shovel Plow Shapes and Harrow Teeth.

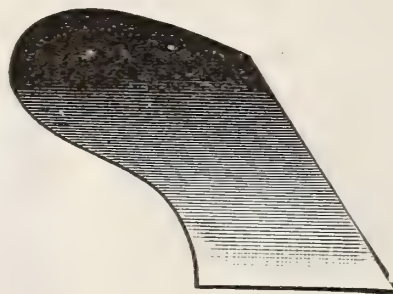
Our manufacturers of these goods are among the largest producers of Polished Plow Shapes and Steels in the United States. They use nothing but the very finest grades of agricultural steel, and great care is taken to see that all patterns are cut true to guage and properly formed. Always on hand Steels for Iron Age, Hench and Dromgold, Champion, Brown and Buckeye Riding and Walking Cultivators. Also Steels without bolts for all leading styles of Riding and Walking Cultivators, which any blacksmith can fit to almost any machine.



91



93



92



The Banner Root Cutter



Built in three sizes for both hand and power.

Simple in construction.
Easy to operate.
Has a Self-Feeder.
Separates dirt from cut feed.
Cuts with a clean cut.
Does not crush, grind and tear the feed.

THE NO. 20—FOR HAND USE.

Has a capacity of 30 to 50 bushels per hour. One bushel per minute has been cut on a test many times.

List Price, \$12.00. Our Retail Price, \$9.00.

Extra Knives per set, \$1.00.

THE NO. 15—HAND AND POWER CUTTER.

Same size as the No. 20. Is arranged with Band Wheel for light power, such as wind mill, etc. Capacity by power, 1 to 1½ bushels per minute.

List Price, \$14.00. Our Retail Price, \$10.00.

THE NO. 16—SMALL POWER CUTTER.

WITH FLY WHEEL AND BAND WHEEL.

Supplied with Crank also for hand use. Capacity by hand, 30 to 50 bushels per hour. Capacity by power, 2 to 3 bushels per minute.

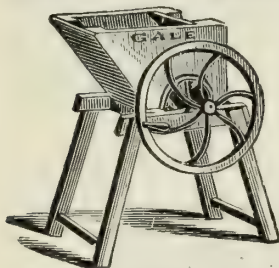
Our Retail Price, \$15.00.

THE NO. 10—LARGE POWER CUTTER.

Exclusively for power. Capacity 4 to 6 bushels per minute. Just the machine for large feeders who drive machinery by power.

List Price, \$30.00. Our Retail Price, \$22.00.

GALE'S VEGETABLE CUTTER



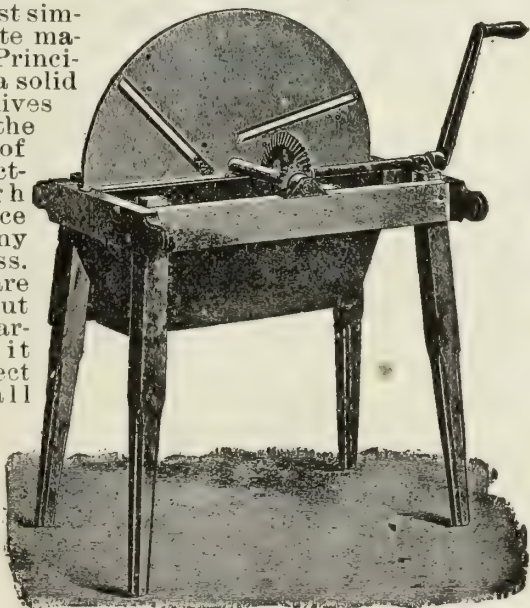
The construction and arrangements of parts are such that the slices or pieces, either large or small, are very much broken and softened in the process of cutting. No. 3½ is made with 18 curved knives, cutting off thin, narrow strips—a kind of slice very much approved by feeders for calves or sheep, and is especially desirable when the cut roots are to be mixed with cut hay, straw or stalks. Most farmers prefer cutting slices this size for cattle.

No. 3½. List Price, \$13.00. Retail Price, \$10.00.

THE ROSS KRAUT CUTTER.

One of the most simple and complete machines made. Principle of above is a solid disk and the knives are fastened on the outside or back of the disk, projecting through enough to slice the cabbage to any desired thickness. These knives are arranged to cut against the shear-bar so that it makes it a perfect machine for all kinds of work. The machine is driven by a large bevel gear connecting with a small bevel pinion, giving a speed of 3 to 1. This makes a very rapid and easy running cutter, as there are only two gears used.

Price, \$8.00.



Regular 3-Knife Kraut Cutter, with Sliding Box. 8x26 in. Price, \$1.25.

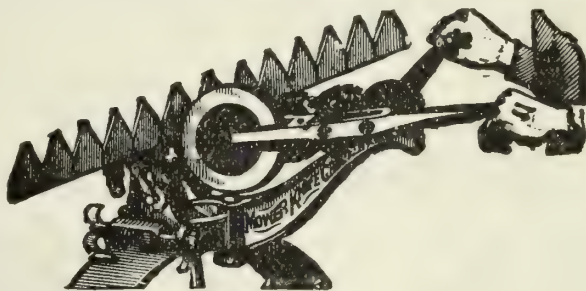
Rice's Galf Weaners.



Also prevents cows from sucking themselves.

No. 1, for Calves,	30 cts.	by mail, 35 cts.
" 2, " Heifers,	50 "	56 "
" 3, " Cows,	75 "	85 "

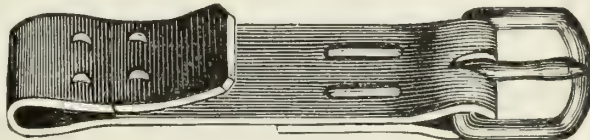
Dutton Mower Knife Grinder.



The wheel is made of corundum and is hollow. Fill the wheel with water before using. When in motion the water is forced out through the wheel, which is porous. This keeps the knife cool. No gumming; no loss of temper, either on the part of the knife or its owner.

Price, \$5.00.

"RAPID" HARNESS MENDERS.



Patented
February 2,
1886.
March 27, 1888.

The finest way of applying a buckle known. Any part of a harness can be mended in a very short time—no riveting, no sewing to rot away, and no special tools required. Price, 25 cents per gross; by mail, 35 cents.



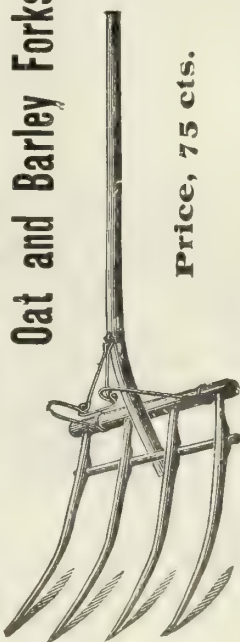
GIBB'S POST HOLE DIGGER.

The best post hole digger made.

Price, - \$1.50.

Oat and Barley Forks.

Price, 75 cts.



3-PRONG WOOD STABLE FORKS, - 60 cents.
" " " " - 75 "



Steel Hollow Handle Post Spade, flattened at one end like a spade. The other end is sharpened and can be used as a crowbar. Light, durable, effective, cheap.

Price, \$1.50.

Hench & Dromgold Improved Walking or Riding Spring-Tooth Lever Harrow.

ON WHEELS.



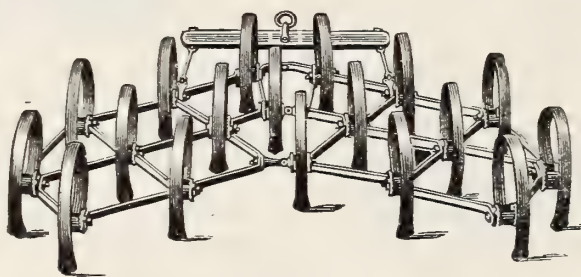
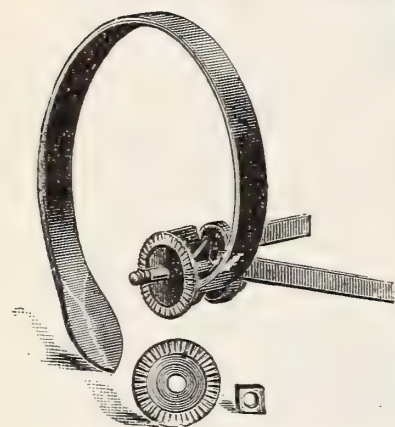
This Harrow has now been thoroughly tested on rough and rocky, soft and mellow land, and from the reports constantly coming in, it has fully measured up to the standard claimed by the manufacturers.

The draft is lessened almost one-half a horse less than on the float spring-tooth harrow; fifteen inches can be worn off the teeth by the use of the lever and the ratchets; the slat can be removed in a second; the lever can be attached to the middle rollers, if so desired, when used altogether for riding; and the wheels, when the teeth are set the desired depth, prevent its going deeper than required by the operator, and consequently it cuts the same depth in case soft or hard ground is encountered alternately. The front wheels are pivoted and the eveners is attached to the pivoted wheels so that the harrow will draw at ease after the horses, causing it to draw straight, each tooth cutting its own course or way. It is also admirably adapted to putting corn land in condition for seeding wheat, as the depth is easily and immediately regulated by the lever. It is pivoted in the centre and can be uncoupled in a moment without the use

of bolts or split keys, and can then be used as a one-horse harrow, which makes it quite convenient, either half being adjusted with perfect ease.

Fifteen Tooth Harrow, without seat.....	\$15.00	Nineteen Tooth Harrow, without seat.....	\$18.00
Seventeen ".....	17.00	Twenty-one ".....	19.00
Special discount for cash. If seat is wanted, price will be \$1.00 extra.			

HENCH & DROMGOLD'S ALL STEEL FRAME SPRING-TOOTH HARROW.



In the RATCHET TOOTH, HOLDER AS SHOWN IN THE CUT, the tooth is securely clamped between two malleable ratchet clips, which engage with the ratchet frame clip, and is held firmly and securely by one bolt to each tooth, on which it rotates as on a pivot. By this arrangement, if the teeth are worn off or cut off as much as fifteen inches they can be set to run as deep as when new.

It is so hinged that either side can be raised straight up or at right angles for passing stumps or trees.

14 Tooth Harrow.....	\$14.00	20 Tooth Harrow.....	\$16.00
16 ".....	14.00	22 ".....	17.00
18 ".....	15.00		

Special discount for cash.

Stevens' Spring-Tooth Harrows.

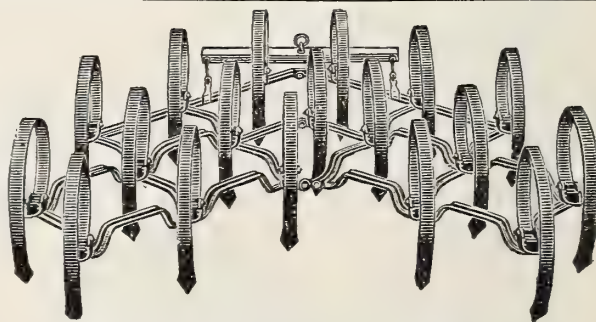
Perfect Tooth Clip. Pitch changed by loosening one bolt. Clears itself. Cannot clog. Folds compactly.

We are also furnishing the Stevens' Harrow with new lever or shoe attachment, making it a perfect lever harrow; prices \$2.00 each higher than Stevens' Plain Harrow.

PRICES:

14 and 16 Tooth Harrows... \$14.00	20 Tooth Harrows..... \$16.00
18 Tooth Harrows..... 15.00	22 "..... 17.00

Special discount for cash.



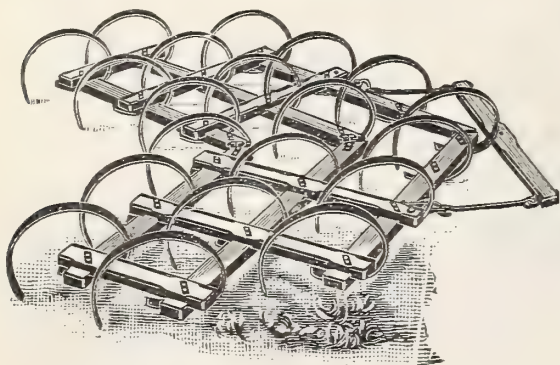
STEVEN'S ARCHED FRAME.

Perry Wood Frame Harrow (Iron Clad)

This Harrow is particularly desirable in cloddy ground, as it combines a clod crusher and spring-tooth harrow, the frame being iron plated underneath and in front, so that it crushes the clods at the same time the teeth stir up the ground, and the frame prevents it sinking too deep. Bolt heads fully protected. Teeth cannot get loose. Simplicity itself and very strong.

14 and 16 Tooth Harrows.... \$11.50	20 Tooth Harrows.. \$13.50
18 Tooth Harrows..... 12.50	

Special discount for cash.

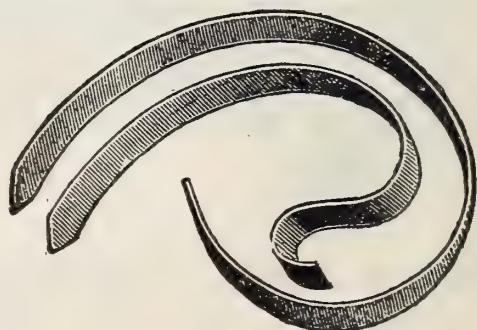


SPRING HARROW TEETH.

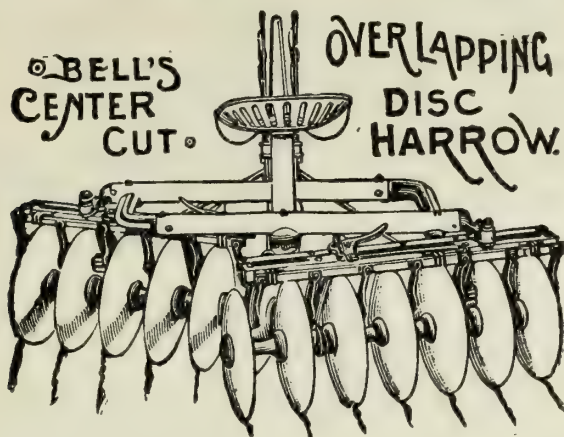
For leading Harrows, including Hench & Dromgold, Stevens, Blaker, Perry, Childs' U. T. K., Tiger, Buffalo Pitts, etc. Price, 50 cents each.



SPIKE HARROW TEETH AT LOWEST PRICES.



BELL'S CENTRE-CUT DISC HARROW.



The great trouble heretofore has been to have a disc Harrow that would CUT OUT the CENTRE RIDGE. How to reach that ridge and cultivate an even surface has been the problem. It is now solved by BELL'S CENTRE-CUT. IT REACHES the CENTRE RIDGE, cuts it out and pulverizes all the ground from outside to outside, leaving a smooth surface behind it. The importance of this SURE CULTIVATION TO AN EVEN DEPTH and leaving no uncultivated ground cannot be overestimated. There will be no rows of weeds between the grain, as this Harrow cuts ALL of the roots below the surface. NO WEIGHT ON HORSE'S NECK; NO SIDE DRAFT. IF IT CULTIVATES 12 PER CENT. MORE AND PULLS 30 PER CENT. LIGHTER DRAFT THAN ANY OTHER SOLID DISC HARROW, HOW MUCH MORE IS IT WORTH!

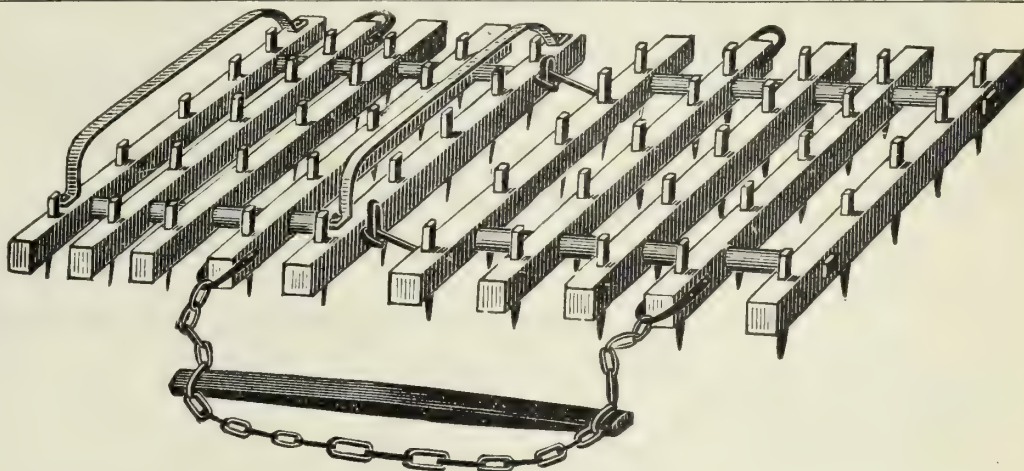
Bell's Centre-cut Harrow, with 13 discs, steel frame neck yoke and 3 horse eveners.....\$30 00
O. R. C. Wood Frame Disc Harrow, with neck yoke and 3 horse eveners..... 25 00
O. R. C. Harrow, without neck yoke and 3 horse eveners.. 22 50
Can also furnish cheaper Disc Harrows at lowest prices.
Special prices for Cash.

BALTIMORE DOUBLE-HINGE HARROW.

This is a two section, wood frame, spike-tooth Harrow. It is so coupled that each section has a vibratory motion independent of the other. It is simple and durable. The frame is of hard wood, nicely finished and painted. The runners, as seen in the cut, are intended to be used in carrying the Harrow from one field to the other; the value of this feature any good farmer will appreciate.

It cuts 6 feet 6 inches, and contains 40 teeth.

PRICE, \$10.00. Special discount for cash.

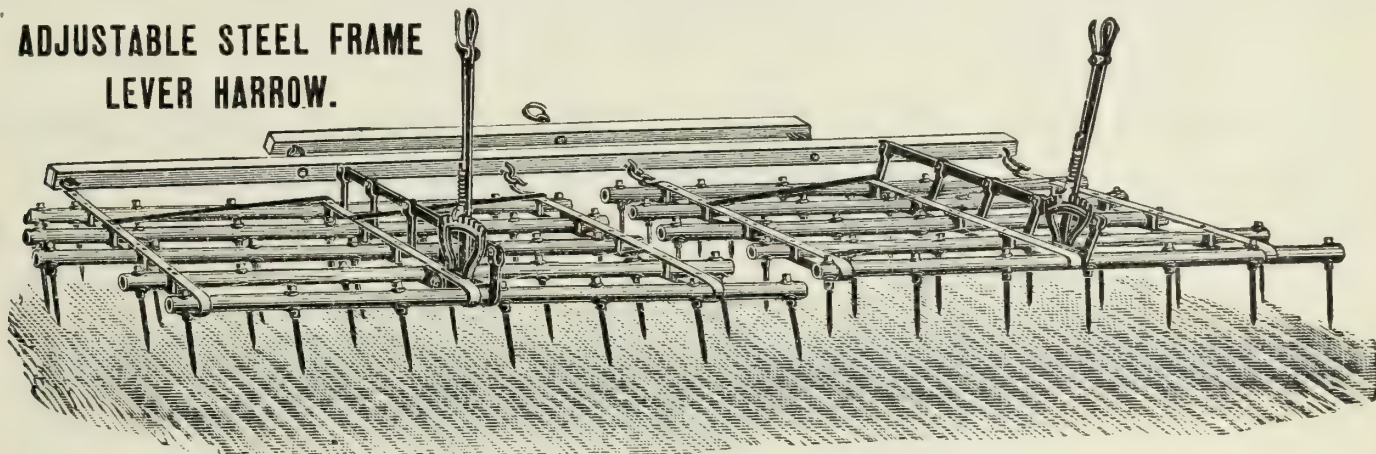


GARDENER'S HARROW.

This Harrow is similar to the above, only it is made in one section instead of two. It is just the thing for small, hilly farms, or for market gardeners. It is designed to be used by one horse, and is the essence of convenience in handling and getting around in small garden plats, etc. We furnish this harrow with 30 teeth, which cuts 4 feet 6 inches wide, and with 24 teeth, cutting 3 feet 8 inches wide.

PRICE, with 24 teeth, \$6.00; with 30 teeth, \$6.50. Special discount for Cash.

ADJUSTABLE STEEL FRAME LEVER HARROW.

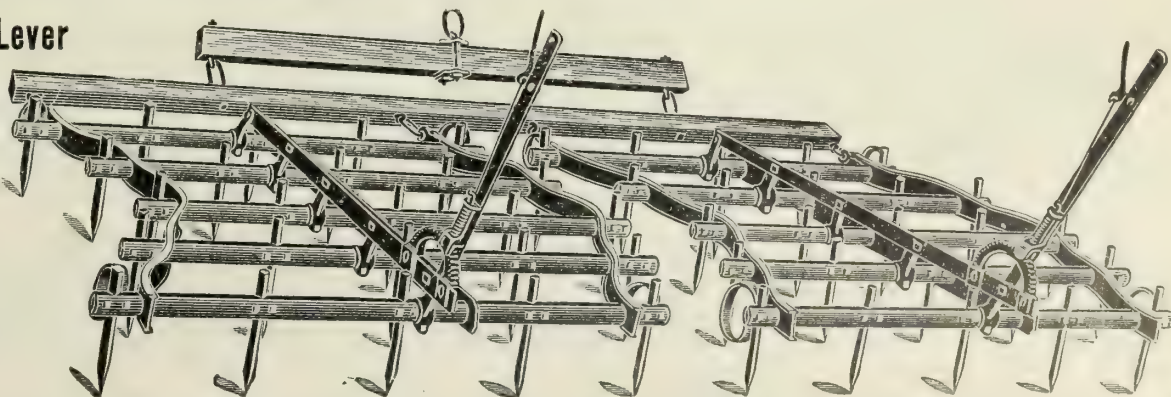


This Harrow can be used as a straight-tooth pulverizing Harrow, or a straight tooth smoothing Harrow. By means of the Lever the teeth can be set straight or to any desired slant. The beams are made of iron tubes and the teeth pass through the same and are threaded and held firmly in place by a tap. If stalks and trash accumulate on the teeth when used as a straight tooth Harrow the teeth can be changed in a moment, by means of a Lever, to a standing position for clearing off the same. As a smoothing Harrow it never clogs, all rubbish being cut in two, or passing down and off the ends of the teeth and completely buried; for cultivating young corn in its early stage it is admirably adapted. Specially adapted to cultivating wheat in the Spring.

PRICE, with 50 teeth, \$12.00; with 70 teeth, \$14.00. Special discount for Cash.

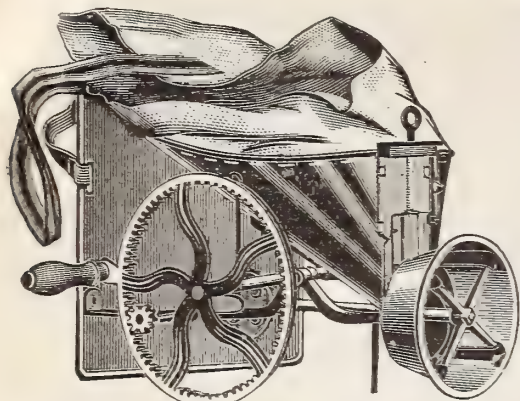
Crescent Spike-Tooth Lever HARROW.

This is a steel frame and steel spike-tooth Harrow. The bars into which the teeth are fastened consist of two pieces of steel crescent shaped, forming a tube or pipe, the teeth are clamped in square holes between these crescents by bolts, so that in case the teeth are to be reversed it is only necessary to loosen the bolts, turning the teeth around and then tightening in place. It is held in place so tight that it is impossible for any of the teeth to get out of line. The lever acts as any other lever does on harrows. An elegant pulverizing harrow.



PRICES.—With 50 teeth, \$11.00; 60 teeth, \$12.00; 70 teeth, \$13.00; 75 teeth, \$16.00; 90 teeth, \$17.00.

Special discount for Cash.



CAHOON PATENT BROAD-CAST SEED SOWER

For Sowing Clover, Timothy, Millet, Wheat, Oats, Hemp, Barley, Rye, Buckwheat, Rice, etc.
A Model for Accuracy and Durability.

PRICE, - - - \$3.00.

Sows from 4 to 8 acres per hour at an ordinary walking gait, throwing wheat about 40 feet wide.

A saving of four-fifths of the labor and one-third of the seed is effected by the use of this machine, and a person entirely unused to sowing by hand can use it with perfect success.

To Sow thicker or thinner without changing the slide.—Having set the index to the desired quantity per acre—taking the average of the field—the operator can easily sow a little *thicker* upon those places where the *soil is richer* by taking *shorter steps* and thus *not going so fast*, and upon the *poorer spots of ground* it can be sown *thinner* by taking *longer steps*, and consequently passing more rapidly forward.

About sowing in the Wind.—Any one familiar with the use of the machine can sow satisfactorily in a much stronger wind than will admit of sowing well by hand; but as the ordinary work of a day can easily be done with the Sower in two or three hours, that time may be chosen early in the morning or late in the evening, when it is usually calm, or nearly so.

For Sowing in Standing Corn the machine will be found of the greatest utility—nothing can ever equal it for this purpose—but will not sow as wide as on fallow ground in consequence of the obstruction which the corn offers to the seed. A broader lap is therefor required, by making the passages near together. (*See directions.*)

The breadth of the cast will be according to the weight of the seed.

Wheat and Rye, 30 to 36 feet

Barley, 27 to 33 feet,

Hemp, 27 to 30 feet.

Oat, 21 to 25 feet.

Clover, Millet, Hungarian Seed, 20 to 24 feet.

Timothy, 15 to 18 feet.

Directions for Gauging the Machine.

The large gate is to be used when sowing grain, and the small gate in the larger one for grass seed only.

First close the slide or gate tight, then fix the lower edge of the index point against the scale of inches on the slide for the different seeds as follows:

For Wheat and Rye.—To sow two bushels to the acre, at 1 inch. To sow one and a-half bushels to the acre, at $\frac{3}{4}$ of an inch.

For Barley.—To sow two bushels to the acre, at 1 inch. To sow one and one-eighth bushels to the acre, at $\frac{3}{4}$ of an inch.

For Hemp.—To sow one bushel to the acre, at $\frac{1}{2}$ an inch. To sow one and a quarter bushels to the acre, at $\frac{5}{8}$ of an inch.

For Oats.—To sow two bushels to the acre, at $1\frac{1}{2}$ inches. To sow one and a-half bushels to the acre, at $1\frac{1}{4}$ inches.

When ready to sow, first commence turning, and with the left hand raise the slide until the nib on the slide comes against the index point. Be careful to walk and turn, as above directed. To close the slide, do it with a quick pressure of the left hand.

To sow Wheat or Rye in standing corn, two bushels to the acre, set the index at $\frac{3}{4}$ of an inch, and sow five or six rows at a time, according as they are wide or narrow.

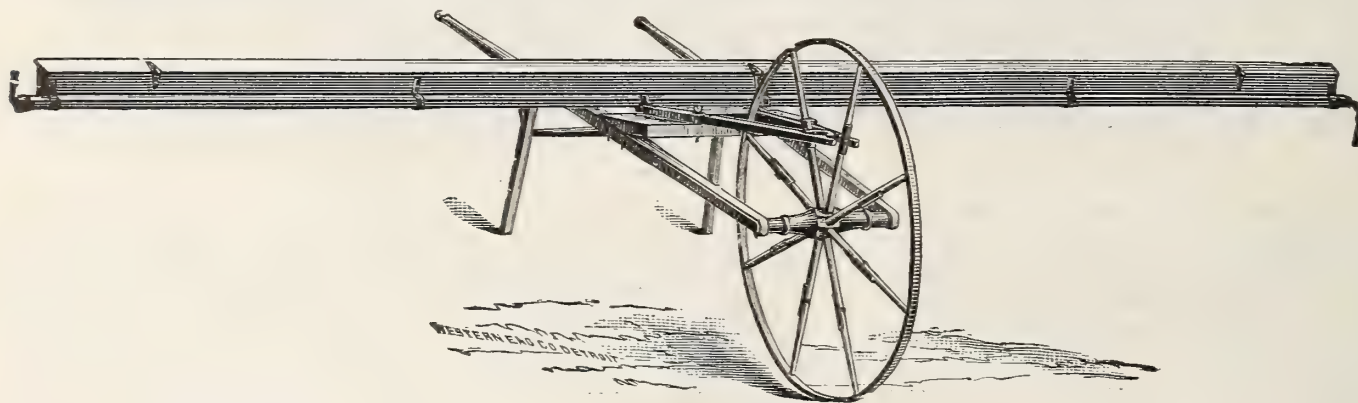
For Grass Seed.—To sow one peck of grass seed to the acre, raise the small gate $\frac{3}{4}$ of an inch; half a bushel, $\frac{1}{2}$ of an inch.

THOMPSON'S CLOVER AND GRASS SEEDER.

Sows 12 or 14 feet wide, any amount desired per acre. Will sow 20 to 25 acres per day.

No. 1—Complete Clover and Grass Seeder, the most popular style..... \$6 50

No. 2—Complete Seeder, with Double Hopper for Red Top, Orchard Grass, Blue Grass, Lawn Grass, as well as Clover, etc..... 8 00



This Grass Seeder is simple, without gearing, cams or intricate machinery; it cannot get out of order.

It is strong, yet weighs but forty pounds. Perfection feed is attained by making it absolutely positive, yet a non-leaking carrier when thrown out of connection.

The quantity of seed to the acre is accurately shown by the index plate. You place the pin, the machine measures the seed.

Clover, Timothy, Red Top, Hungarian, Millet, Flax, Orchard Grass, Fancy Blue Grass, Alsike and chaffy seeds are alike sown by it.

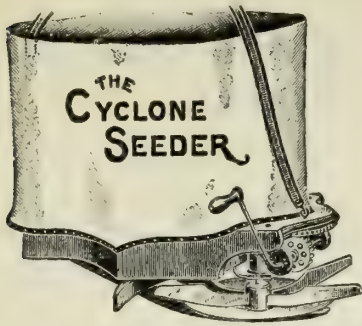
It cannot clog. The wheel may be covered with mud; yet its working will not be affected.

Working near the ground, even strong winds have no effect upon its accuracy.

A manilla rope passes through a groove in the bottom of the box, fastened at the ends to a rod moved back and forth by a lever. This is operated by the revolution of the wheel, upon each of the eight spokes of which is fastened a casting. These castings strike alternately V-shaped irons on the feed levers. The length of stroke governs the quantity of seed sown, and is regulated by the pin which forms a fulcrum at any distance desired from the driving point. The plate for this pin is accurately marked in figures, indicating the quantity of seed sown per acre. By use of a thumb screw the lever can be thrown out of connection, when all sowing stops, the feed-rope covering the holes in the bottom of the hopper through which when at work, it forces the seed.

Manilla rope is used because it is better than wire or any substitute. It does not wear the groove, bruise the seed or fail in its work—wire rope will. Being scorched and chemically treated, our rope is weather proof. It is provided with an iron wedge at one end of the feed rod, so that it may be loosened when not in use.

ALL KINDS OF MACHINERY REPAIRED.



The Cyclone Hand Broadcast Seed Sower.

This Seeder is accurate, strong, light and durable. The best medium price machine of its kind on the market.

PRICE, \$2.25.

CHICAGO SEEDER.

A good Seeder, at a very low price. This is the most satisfactory Bow Seeder made.

PRICE, \$1.50.



American Standard Hand Corn Planter.

PRICE, \$2.00.

Sold on its Merit.

Accurate, Reliable and Durable.

The only Planter containing an adjustable dropping disc.

The disc is quickly adjusted for a light or heavy seeding, and rotates similar to the disc in a horse planter. Planter is easily operated by a boy or girl.

Works in all kinds and conditions of soil, and is the only one which insures an accurate and reliable seeding. Try one. It speaks for itself.

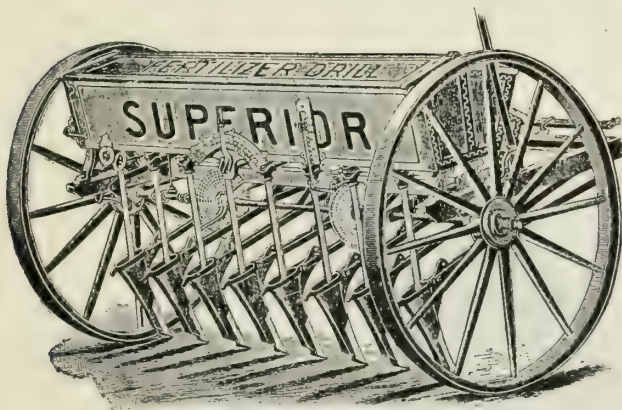
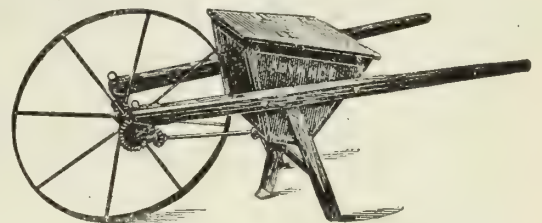
In addition to this we also carry another Planter, for parties wanting something cheaper, at \$1.50

Advance Pea and Fertilizer Drill.

The distributing disc being of wrought iron, and galvanized, can neither break nor rust, thus entirely obviating the faults of glass and iron.

The agitator is also new, being of steel, in the form of two knife-shaped arms sweeping around under the mass of the fertilizer and throwing it upon the revolving disc below. A shut-off has lately been added, whereby the waste of fertilizer is stopped when turning at ends of rows. As shown in cut, loops are bolted to frame for the purpose of attaching a horse. We cannot too strongly recommend this Drill to pea growers as being one of the very best tools for sowing peas. The same can be said of it in regard to sowing fodder, corn or ensilage.

PRICE, \$6.00.



The Superior Steel Frame Grain and Fertilizer Drill.

This Drill is furnished with the famous *Marks* force feed Fertilizer Attachment as improved by the *Superior Drill Co.*, and the

Double Force Feed Grain Distributor.

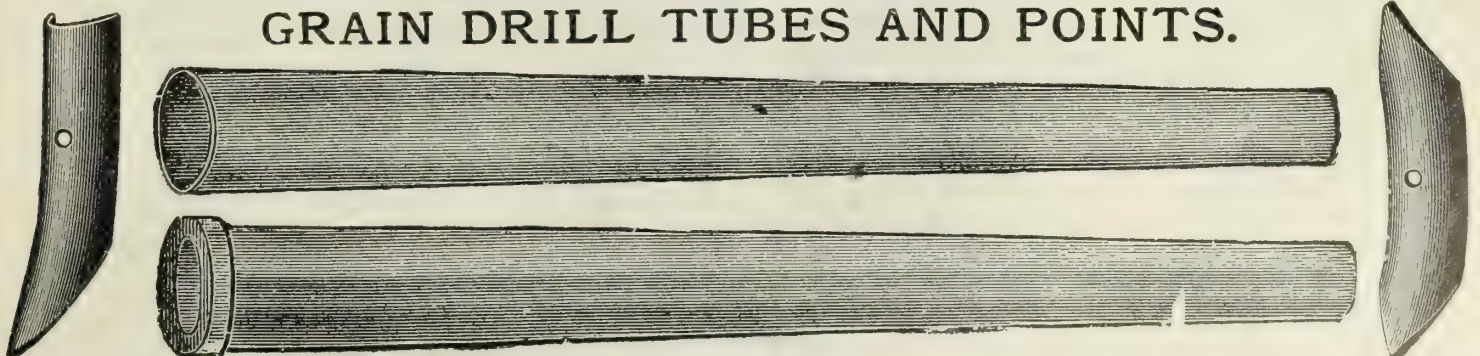
the most perfect feed ever made.

A Force Feed Chain Grass Seeder which does splendid work with all kinds of grass seed.

For further particulars write for Special Catalogue.

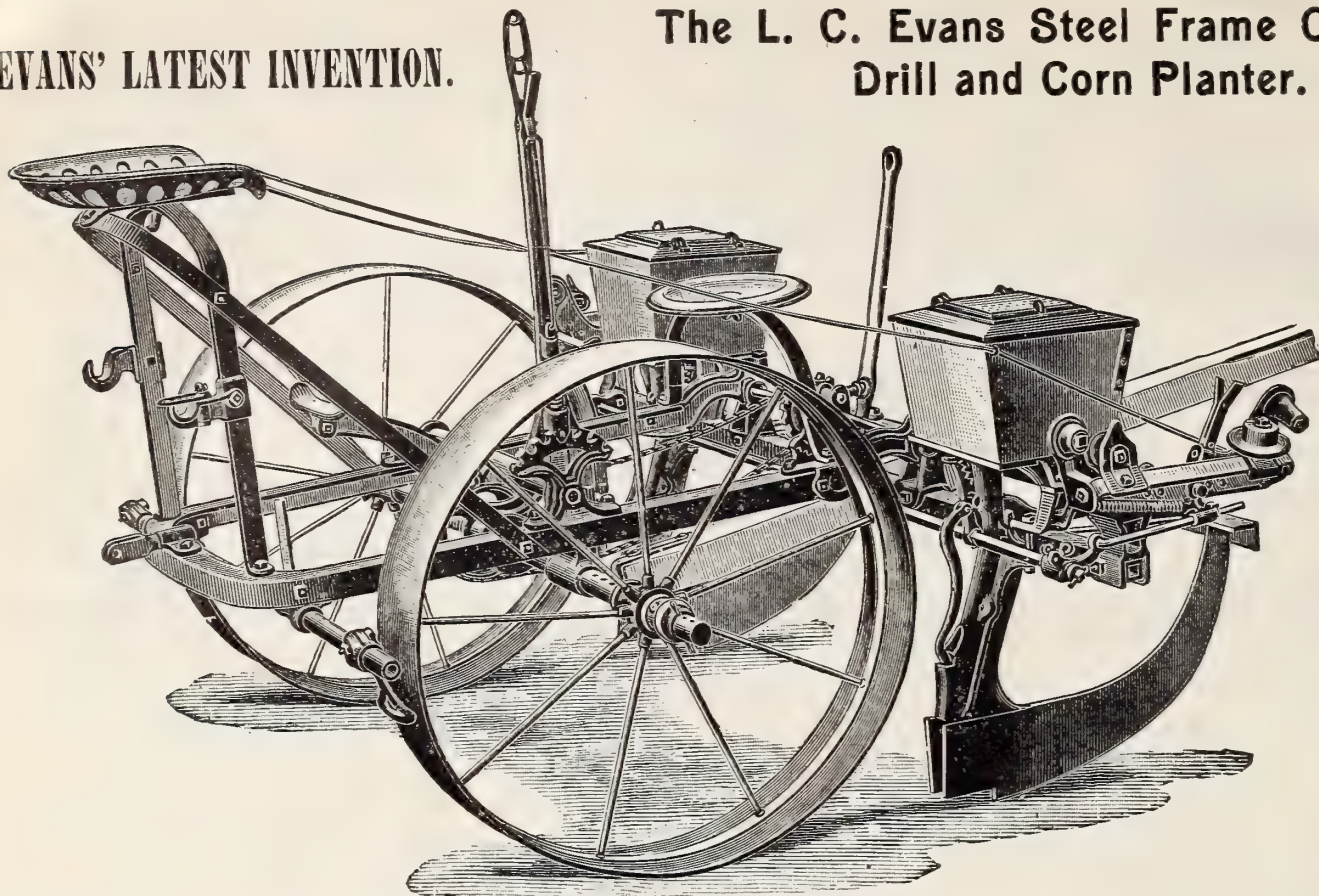
We also carry full stock of *Indiana* and *Pennsylvania* Drills. Write for prices.

GRAIN DRILL TUBES AND POINTS.



For all leading Grain Drills including *Superior*, *Pennsylvania*, *Bickford & Hoffman*, *Buckeye*, *Hoosier*, *Indiana*, *Champion*, *Empire*, *McSherry*, *Hagerstown*, *Greencastle*, etc. Tubes, 25 cents each. Points, 12½ cents each.

ALL KINDS OF MACHINERY REPAIRED.

EVANS' LATEST INVENTION.**The L. C. Evans Steel Frame Combined Drill and Corn Planter.**

**Durability
Simplicity
Accuracy
and
Easy
Adjustment
Combined.**

Using the machine as a drill it can be changed to drop 10, 12, 14 or 16 inches apart.

Will also plant in hills from two to six grains.

NOVEL CONNECTION TO COUPLE FRONT TO BACK.—The arms connecting to the boxes on the plant-beam are slotted so that the Planter has a perfect floating motion, and is adapted to all conditions of the ground. This feature is found on no other combination Planter.

The machine is adjustable in width, being so arranged that it will plant 3 ft., 3 ft. 2 in., 3 ft. 4 in., 3 ft. 6 in., 3 ft. 8 in., or 3 ft. 10 in. apart. Wheels will run on or off the rows, as desired.

SPECIAL MACHINES WITH COVERING SHOVELS.—For localities where covering shovels are desired, we make a machine coupled farther apart for using covering shovels.

FERTILIZER ATTACHMENT.—The most complete Fertilizer Attachment made and will work perfectly with check Rower.

The driver can see the corn dropping from the top of the tube. He thus knows the feed is working properly.

Price of Planter, \$30.00; Planter with Covering Shovels, \$32.50; Check Rower, \$10.00; Steel Planter with Fertilizer Attachment, \$40.00.

We also carry a full stock of the Evans Wood Frame Planters, which have always given excellent satisfaction. Plain Planter, \$28.00; with Fertilizer Attachment, \$38.00; Check Rower, \$10.00.

The New Evans Corn Drill, with Steel Frame instead of Wood Frame as shown in Cut.

The advantage of planting corn in drills is that the grains are dropped separately, and some distance apart, thus giving each plant an opportunity to grow to full maturity.

Some Points of Superiority.

1. Our gearing is chilled in such a manner that it is very hard, therefore durable.

2. The lever for placing the pinion in or out of gear is placed between the handles close to the operator. This makes the Evans the most easily handled drill on the market.

3. The rotary drop will drop accurately 8, 12, 16 or 20 inches apart, as may be desired, dropping one grain at a time.

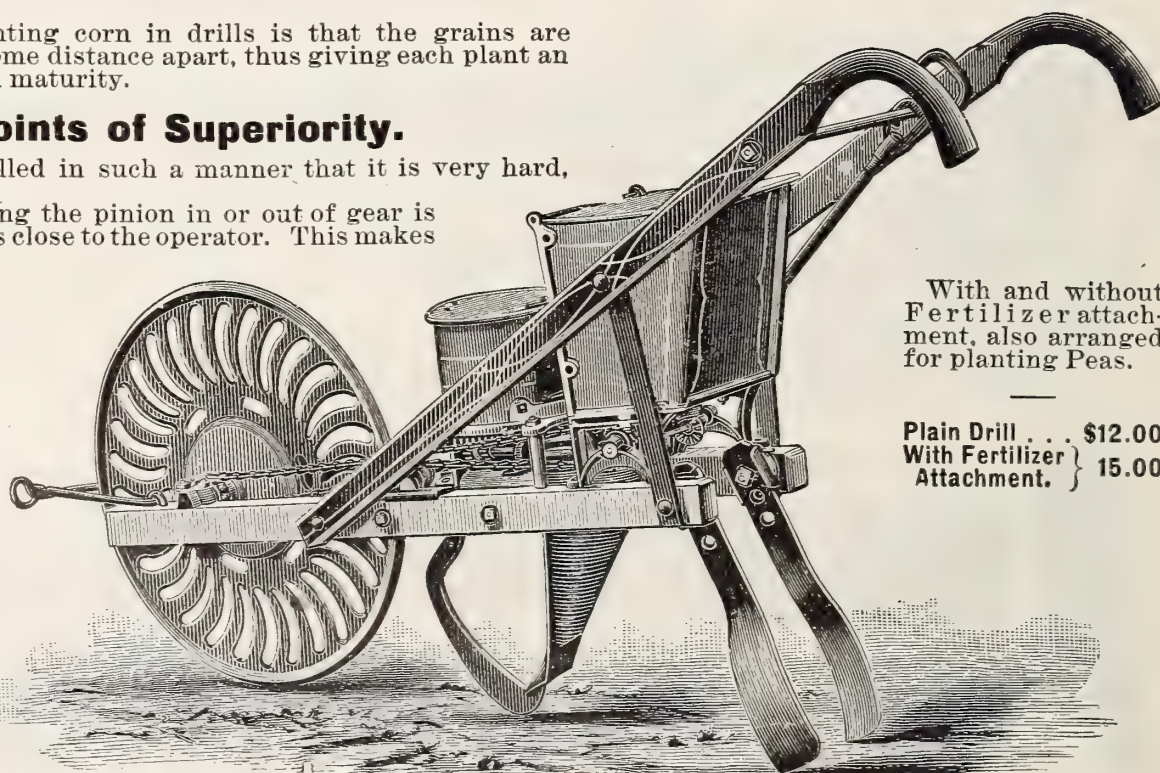
4. Has a heavy drive wheel, which makes the Drill run steadier, and is less liable to slip.

5. The shares are held by malleable iron clamps which give more strength than cast ones.

The New Evans One-Horse Corn Drill with Fertilizer Attachment has a positive force feed that will drill any of the popular fertilizers now in use.

Worth four times its cost for one season's use to any farmer who uses fertilizers, as with it he can plant his corn and put in the fertilizer at the same time.

No one who contemplates purchasing a Corn Drill should fail to examine the EVANS.



With and without Fertilizer attachment, also arranged for planting Peas.

Plain Drill . . . \$12.00
With Fertilizer Attachment. } 15.00

ALL KINDS OF MACHINERY REPAIRED.

The "Improved=Robbins" Potato Planter.

WILL PLANT FROM FOUR TO SEVEN ACRES PER DAY.

PRICE OF PLANTER WITH FERTILIZER ATTACHMENT, \$65.00.

HOW IT WORKS.—The operation of the Planter is so simple that it seems scarcely necessary to do aught than to call attention to the cut.

The opening plow is a small double mould board plow, preceded by a thin steel runner to prevent clogging with trash, and which divides the soil for the plow. This runner or shield also prevents injury to the machine. In striking a "fast" rock, the blow is gradual, not sudden, thereby warning the driver to release the lever and enable him to pass over the rock. The plough throws out on each side a free furrow of loose soil, with no packing or wedging to crowd the future growth of the crop. It now has an independent adjustment by which its position can be changed so as to suit different depths of furrowing in different soils. Immediately following the plow comes the deposit of fertilizer (if used) in a broad stream across the bottom of the furrow.

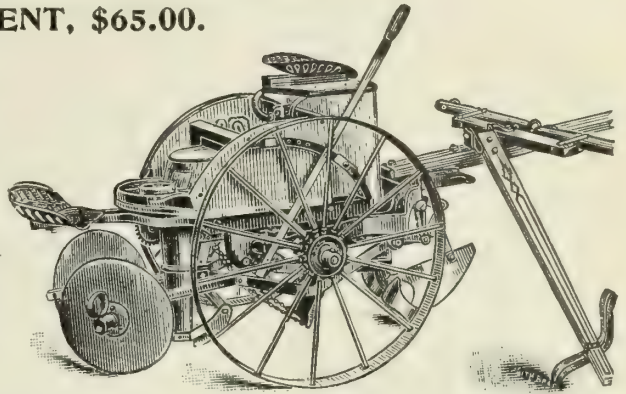
DROPPING SEED.—Then follows the drill tube through which the seed is dropped, this tube being provided with a small shoe which opens a narrow groove in the bottom of the furrow and into which falls the seed.

The small shoe also divides the fertilizer, preventing it from coming in direct contact with the seed and mixes it with the soil in passing. Then immediately following come a pair of large steel discs which cover the seed with light, loose soil, all in a nice, moist state, just the right condition for starting a vigorous growth of the potato sprout.

DISTANCE APART.—The speed of the wheel which drops the potatoes is regulated by a simple change of sprocket wheels, those sent out with planter dropping at distances of about 12, 14, 15½, 17, 18½ or 20 inches.

SIMPLE AND EASY.—The handling of the Planter is exceedingly simple and easy, the movement of one lever stopping both potato and fertilizer feed, and at same time raising the entire gang of opening plow, potato tube and covering discs entirely free from the ground.

A PERFECT FERTILIZER DISTRIBUTOR.—We wish to speak particularly of the Fertilizer Distributor of the Improved Robbins, as we believe it to be, beyond any doubt, one of the best methods of distributing fertilizer yet adopted. The fertilizer is placed in a round hopper of galvanized iron, holding about one hundred pounds, and is fed downward through a central opening formed by a straight agitator shaft; the capacity of the distributor is up to a ton per acre, depending largely upon the condition of the fertilizer. The amount sown is quickly and easily regulated by the adjustment of gate or change of sprocket wheels.

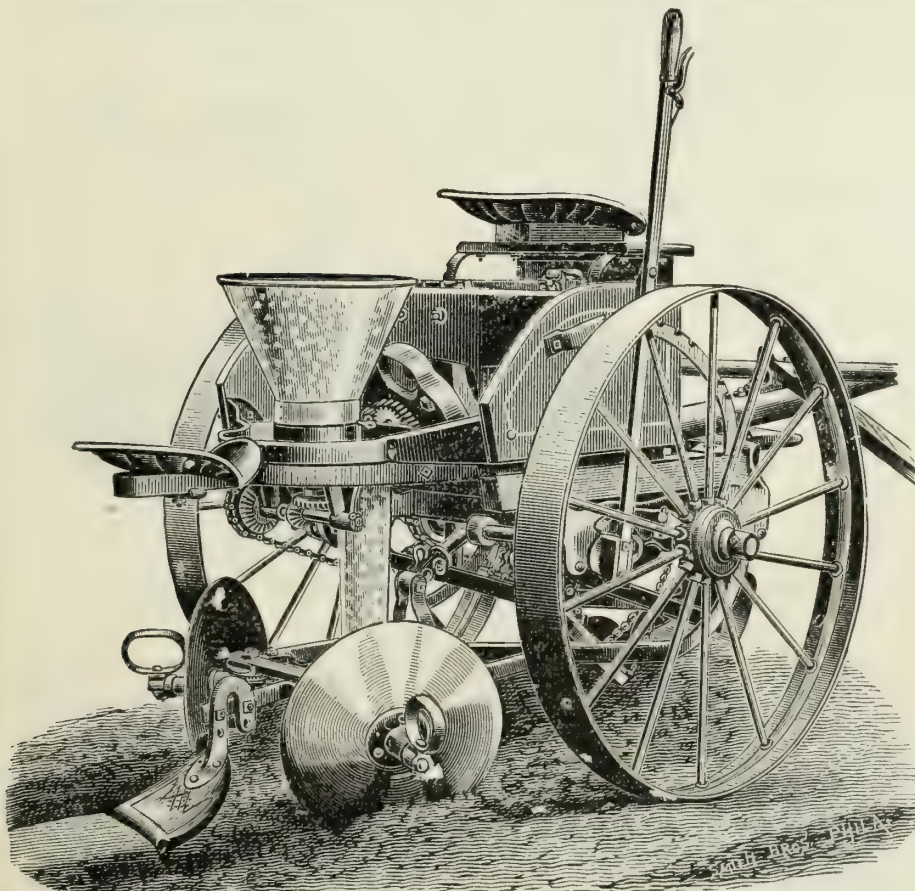


THE IMPROVED-ROBBINS POTATO PLANTER.

Shown at work with the Pea Sower and Leveler Attachments.

Pea, Bean and Corn Sower Attachment, \$5.00.

Leveler Attachment, \$1.25.



Particular attention is called to the Planter as being adapted to the planting of Peas. A large acreage having been sown with the most satisfactory results and with a very decided advantage over all other methods. The Planter has been sold for this purpose exclusively.

Also, as another attachment, we have the Leveler, for leveling and smoothing the row, a capital thing to do in some soils.

Perfect in Principle and Construction.

We claim the Planter to be one of the most thoroughly constructed machines offered to the farming public; it is carefully made of the very best materials, and consequently is strong, durable and thoroughly practical.

ALL KINDS OF MACHINERY REPAIRED.

PRAIRIE CITY POTATO CUTTER.

The Prairie City Potato Cutter is admirably adapted to cut potatoes for seed in a very workmanlike manner, and faster than seven or eight men can by hand.

The construction of this Potato Cutter is simple, strong and durable. The knives are of saw-blade steel, the case of cast-iron, and wooden blocks between knives that hold them rigid in their places.

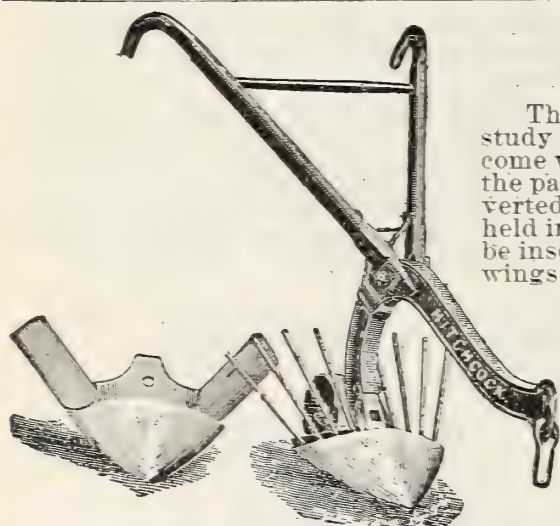
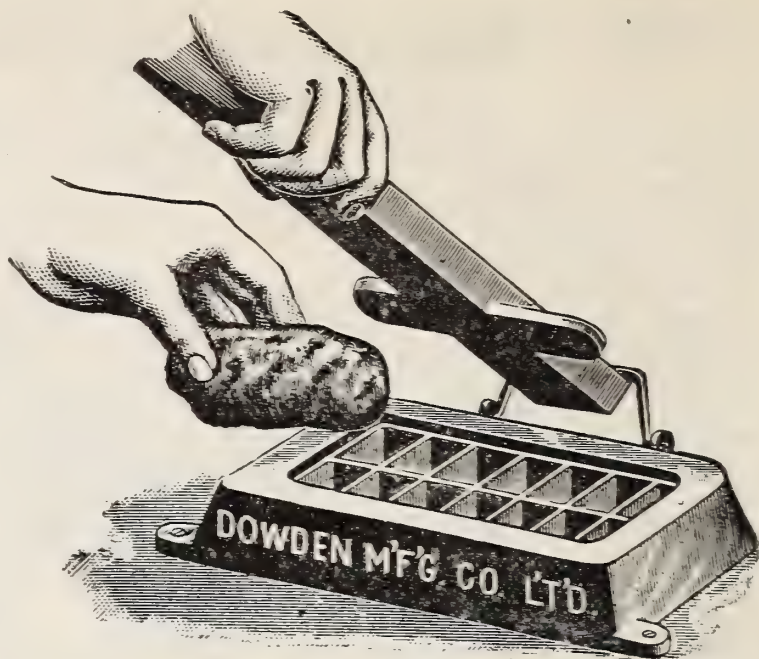
The shipping weight is eleven pounds, and you neither have to pay for the work or the freight on frame (see directions), which you can make for what the freight alone would cost. **Price, \$2.50.**

POTATOES—NUMBER OF PIECES PER ACRE.

APART. PLANTS. In. Ft.	APART. PLANTS. In. Ft.	APART. PLANTS. In. Ft.
12 x 2½ ..18,640	14 x 2½ ....16,000	18 x 2½ ....12,434
12 x 3 ....15,532	14 x 3 ....13,314	18 x 3 ....10,355
12 x 3½ ....13,289	14 x 3½ ....11,405	18 x 3½ 8,874

DIRECTIONS FOR USING THE PRAIRIE CITY POTATO CUTTER.

Fasten the cutter by rear bolt to a barrel or box, with a space sufficiently large to let the pieces of potatoes fall through. Place a potato on knives with one hand, and with the other press it through, while reaching for another potato with the first hand. Cut one potato at a time. The more careful you are to place the potatoes the better the eyes will be distributed. You can by changing knives, cut the pieces any DESIRED SIZE, and if desired you can place a division beneath so as to collect all the seed ends in one in one pile separate from the rest. If the lever suggests some other way, you can, by two screws, take it off and change it by making it longer, or by making the paddle smaller or larger, if desired, or you can leave it off and use a WOODEN MALLET. Be careful not to press or strike harder than sufficient to drive the potato down—a little experience will determine the force required. To enable rapid work a small feed table placed close to the operator will be found very convenient.



HITCHCOCK POTATO DIGGER.

This implement, though very simple in appearance, is the result of much study and many experiments; and it is as near perfect as can be attained and come within the reach of every farmer. The sale of several thousand during the past few years proves it a success. By changing one bolt it may be converted into a Shovel Plow or a Potato Digger. The fingers are adjustable, being held in position by the plow point. Thus, in case of breakage, a new part may be inserted without the expense of whole new head. The fingers, points and wings are made of steel, rendering it light, strong and durable.

TO OPERATE THE POTATO DIGGER SUCCESSFULLY.

- 1st. See that the field is comparatively free from vines and weeds, which may be done by mowing and raking with a wheel horse rake.
- 2d. Adjust the wheel to run the plow under the potatoes; do not let it run too deep.
- 3d. Adjust the handles according to height of operator.
- 4th. Dig every alternate row, and after picking up the potatoes, take the remaining rows.

Experience is our teacher; therefore do not expect this implement to do as well at first as after a little use.

Remember that this is the only potato digger that can be successfully used with one horse.

Price, \$8.00.

Extra Beam, \$2.00.

Extra Steel Point, 60 cents.

Cast Head, \$1.00.

Darnell's Patent Furrower and Marker.

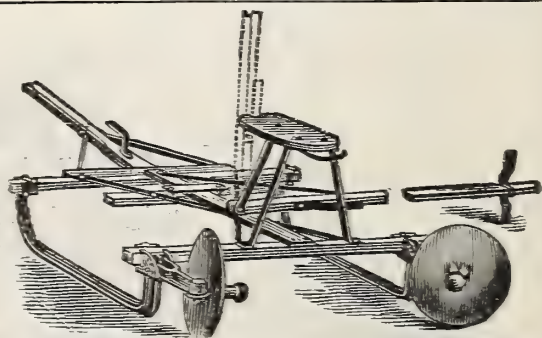
IMPROVED.

Strong, light and durable. *A Half Dozen Tools in one, and each worth the purchase price.*

Runs steadily, and cannot be choked. Adjustable throughout. Gauge self-adjusting to all inequalities of ground.

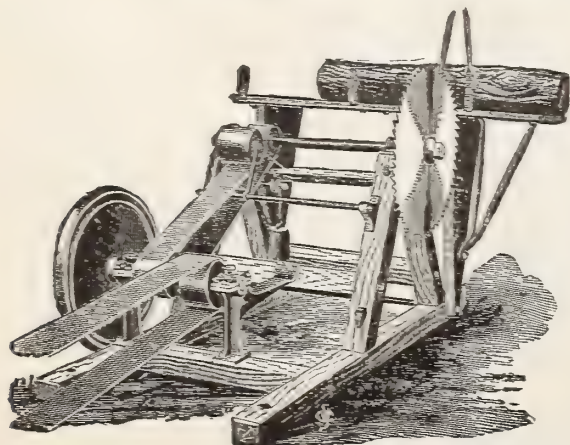
Every part well made of good material, and no end to its wear and usefulness. Broad runners of wrought T angle iron with rib to prevent sliding on side hill. Revolving discs or furrowers, fifteen inches in diameter, with chilled hub and steel axle, cutting a clean, straight furrow.

Shipping Weight, 140 pounds. Price, \$18.00.



WOOD SAW.

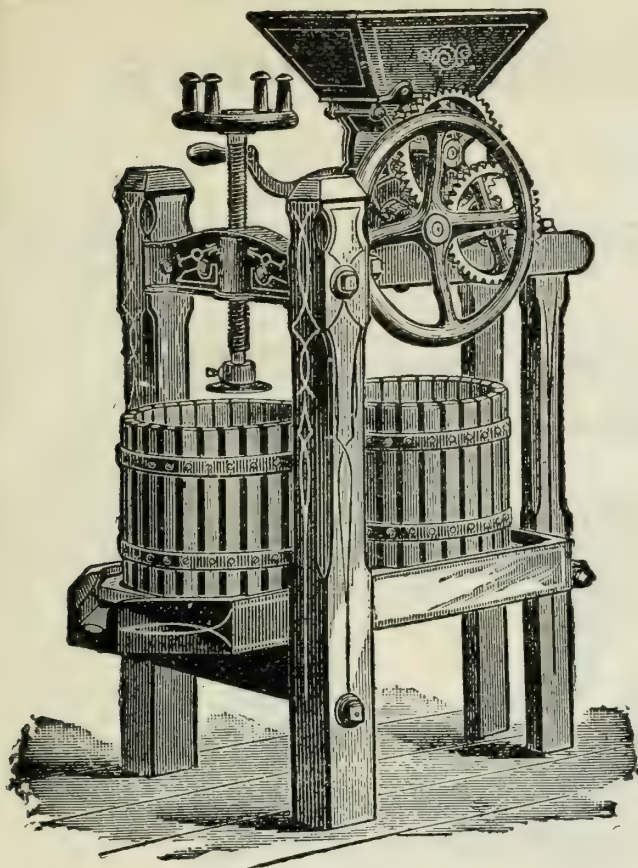
Made with Iron Frame instead of Wood, as shown in cut.



Our Saw, as shown in cut, has Balance Wheel under the Table, where it will be out of the way in sawing poles. Farmers and others who use saws can at once appreciate the great convenience of this machine. It has a swing table, which is the best style for cutting cord wood and poles. The balance wheel is entirely out of the way, being placed under and to one side of the saw shaft. A short belt with automatic tightener transmits power from balance wheel shaft to saw shaft. This device is simple but very effective. One man can do the work on this saw as readily as two men on the regular style saw.

Price, \$57.50. A discount of 20 per cent. to farmers.

REPAIRING LAWN MOWERS A SPECIALTY.



The Baltimore Cider Mill.

Our Cider Mills are first-class in every particular, are unsurpassed in quality, durability and capacity, and are made of best material in both wood and iron. The grinding apparatus is of the most satisfactory pattern, and is made adjustable so as to grind both small and large fruit equally well.

Small Double Cage Mill.....	\$15 00
Medium Double Cage Mill.....	20 00
Large Double Cage Mill.....	25 00

Special Discount on Cider Mills.

THE HUTCHINSON CIDER AND WINE MILL.

A most useful and economical Mill for making blackberry or grape wine, will not crack seed; capacity wine or cider, 2 to 3 barrels per day.

Crate, 11 x 11 inches, inside measure.

Price, No. 0—Single Cage Mill.....	\$10 00
" " 1— " "	12 00

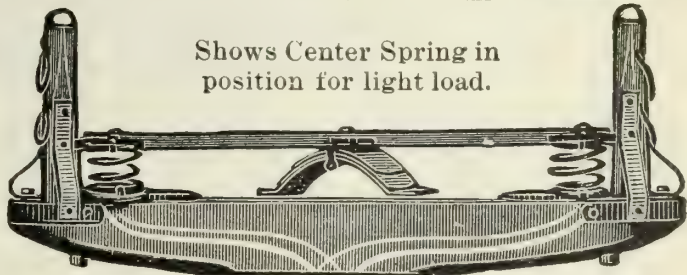
Special Discount on Wine Mill.



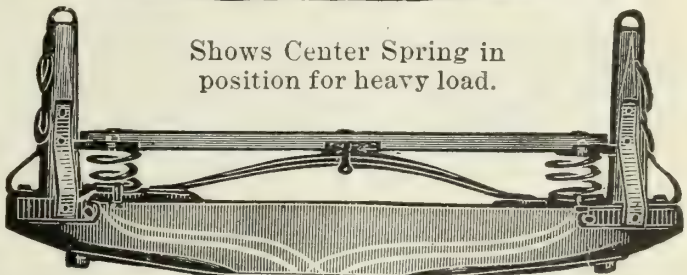
NORTH PATENT ADJUSTABLE BOLSTER SPRINGS.

These goods are growing in popular favor more and more every year, and, in fact, no farmer can afford to be without them; will pay for themselves in a short time. Wagon will last longer, will carry load in much better condition, particularly fruit or produce that is likely to become bruised, etc., and will make the load run much easier to the horses.

To carry 1000 lbs..	\$4 00	To carry 4000 lbs..	\$10 00
" 1500 lbs..	6 00	" 5000 lbs..	11 00
" 2000 lbs..	7 00	" 6000 lbs..	12 00
" 3000 lbs..	8 00		

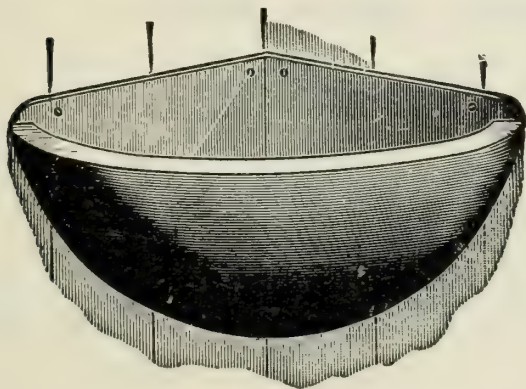


Shows Center Spring in position for light load.



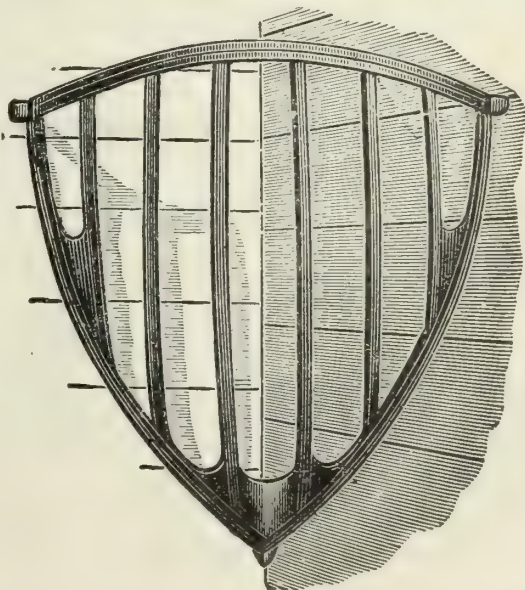
Shows Center Spring in position for heavy load.

CORNER MANGERS.

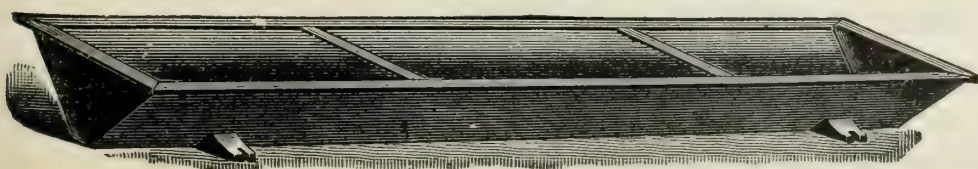


Price..... \$1 75

HAY RACKS.



Price..... \$2 50
" Extra Heavy... 2 75

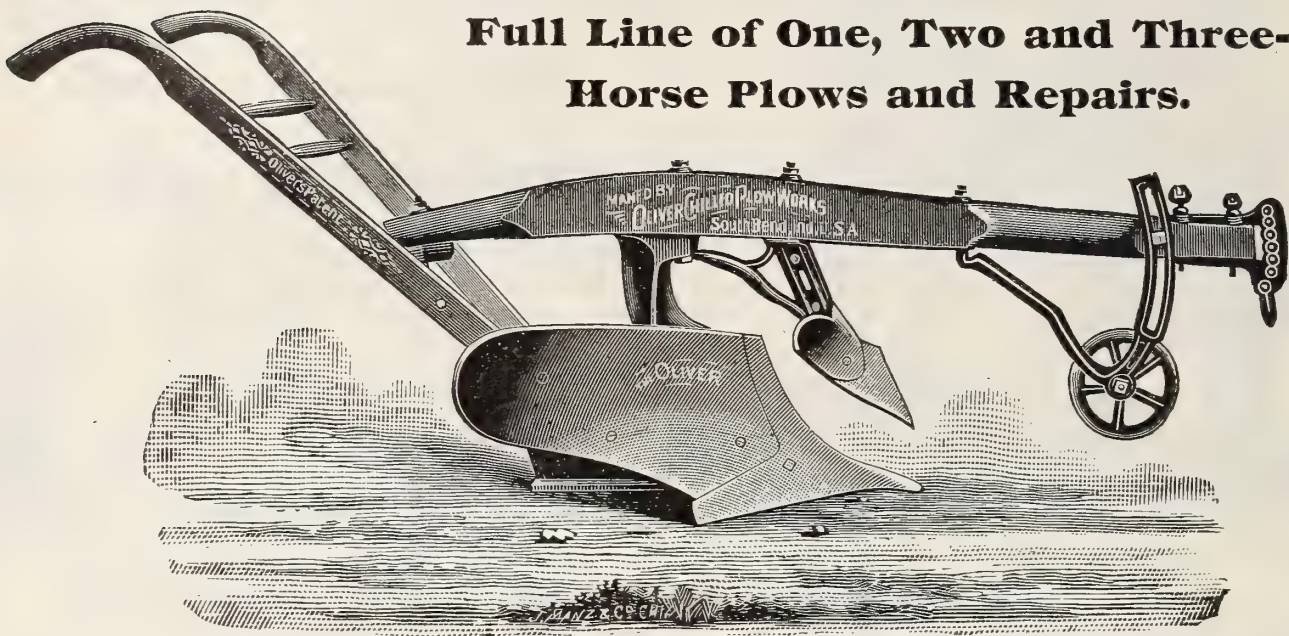


IRON TROUGHS.

3 ft. long.....	\$3 00
4 ft. "	3 75
5 ft. "	4 50
6 ft. "	5 25

Genuine Oliver Chilled Plows.

MADE ONLY BY THE
OLIVER CHILLED PLOW WORKS, SOUTH BEND, IND., U. S. A.



Full Line of One, Two and Three-Horse Plows and Repairs.

DON'T FORGET to look for the OLIVER TRADE MARK on all OLIVER Goods.
NONE GENUINE WITHOUT IT.

Our assortment of styles and sizes now very large and complete, is adapted to every section of the country, and new patterns will be added as the needs of the trade demand. Our enormous sales the past year simply show the great popularity of the Oliver Plow, and yet unlike a good many others, the manufacturers of the Oliver goods are to-day making a better plow than ever before.
We know it is the best, consequently we sell it.
The FARMER knows it is the best, consequently he BUYS it.
In ordering, always state right or left hand. In ordering shares always say what material, style and number you want.

PRICES—PLOWS.

No. A-1 and A-2.....	\$4.00	No. 20.....	\$ 8.00
“ B.....	5.50	22—Iron Beam.....	11.00
“ B Vineyard, right hand only.....	7.50	“ 40.....	8.50
“ 10-0.....	6.50	“ E-1.....	8.50
“ 13.....	7.00	14-A Steel Mould-Board and Landside, Cast	
“ 19.....	7.50	Share and Shoe, right hand only.....	11.00

OLIVER COMBINATION PLOWS—WOOD BEAM.
RIGHT AND LEFT HAND.

No. 120—All Chilled, only.....	\$9.50	No. 140—All Chilled, only.....	\$10.00
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OLIVER HILL-SIDE PLOWS.

This plow has been brought out in response to the urgent demand of our friends who wish to do hill-side plowing, and is a perfect implement for that purpose. It combines many new and novel qualities, and its reversible features are simple and perfect in their workings. It is made in two sizes—the smallest, No. 52, for one horse, and the largest, No. 53, for two horses. It is made with steel mould-board and cast point, and is well equipped in all respects for first-class work.
In addition to its excellent qualities as a hill-side plow, it also works admirably in level ground, and having been thoroughly tried we do not hesitate to recommend it highly.
No. 52—Steel Mould-board, Cast Share..... \$10.00 | No. 53—Steel Mould-board, Cast Share \$11.00
NOTE.—A Clevis, Wrench and an extra Share are included in above prices for plows fitted with cast shares, but wheels and jointers are not.

OLIVER SPECIAL PLOWS.

No. 1—Road and Grading Plow, all Steel, with Standing Coulter and Guage Iron or Wheel..	\$36.00
The Oliver Sub-Soiler, best of its kind, with Wheel.....	14.00

ALL KINDS OF MACHINERY REPAIRED.

CHILLED PLOW REPAIRS.

MOULD-BOARDS.

No. A-1 and A-2.	\$1.25	No. E.....	\$3.00
" B. and B. Vineyard...	1.75	" 14 A, Steel.....	4.00
" 10-0.....	2.00	" 98.....	2.75
" 13 and 13 Vineyard.....	2.25	" 99.....	3.00
" 19.....	2.50	" 119.....	2.50
" 20.....	2.75	" 120.....	2.75
" 22.....	3.00	" 140.....	3.00
" 40.....	3.00		

STANDARDS.

No. A.....	\$1.25	No. 20.....	\$2.25
" B.....	1.50	" 40.....	2.50
" B Vineyard.....	2.00	" E.....	2.50
" 10-0.....	2.00	" 119.....	2.50
" 13.....	2.25	" 120.....	2.50
" 19.....	2.25	" 140.....	2.75

LANDSIDES.

No. A.....	\$.40	No. E.....	\$.75
" B. and B Vineyard.....	.60	" 14-A, Cast.....	.50
" 10-0.....	.60	" 14-A, Steel.....	1.00
" 13 and 13 Vineyard.....	.65	" 98.....	.75
" 19.....	.75	" 99.....	.75
" 20.....	.75	" 119.....	.75
" 22.....	.75	" 120.....	.75
" 30.....	.75	" 140.....	.75
" 40.....	.75		

SHARES.

Numbers.	Cutter Shares.	Plain Shares.	Cutter Slip-Nose Shares.	Plain Slip-Nose Shares.	Full Chilled Shares.	Reversible Shares.	Cast Reversible Slips.
A.....		18					
B.....		20		25			10
B. Vin.		20					
10-0.....	25		35				10
13.....	25		35				10
19.....	30		40				10
20.....	30		40				10
22.....	40	35		45			10
30.....	35	30					
40.....	30		45				10
E.....	30		45				10
14-A.....	35	30		40			10
98.....						30	20
99.....						30	20
119.....						35	25
120.....						35	25
125.....						35	35
140.....						35	25

All Polished Points, each, add extra 10 cents. Non-Reversible Shares and Slips same as Reversible. Bowers Slips same as other Slips.

HANDLE BRACES.

No. A.....	\$.25	No. B-10-13-13 Vineyard, B Vineyard.....	\$.30
All other Braces.....			\$.50

HANDLES, COMPLETE, PER SET.

No. A-B-10-0..	\$1.25	No. 3 Vineyard.....	\$2.00
" 22, complete, less Rod	1.25	" 98-99-119-120 and 140.....	1.85
" 14-A.....	1.25	" 113.....	1.60
" 13.....	1.50	" 19-20-E and 40.....	1.75

HANDLES, PER PAIR AND SINGLE.

All numbers, per pair, loose.....	\$1.00	Rounds, per pair.....	\$.10
All numbers, single, each .....	.50	L. S. Handle Plates, each.....	.10

BEAMS.

No. A-B-B Vineyard and 10.....	\$1.00	No. 22, Iron.....	\$4.25
All other numbers, Wood.....	1.25		

CLEVISES.

Clevises Marked "A" for One-Horse Plows	\$.20	Clevises Guide Pins.....	\$.05
" " "B" " Two-Horse .....	.35	" Shackle .....	.05
" " "D" " Three-Horse .....	.50	" Links, Two-Horse.....	.05
" Shackles .....	.10	" Rings, One-Horse.....	.05
" Wrenches.....	.05		

OLIVER REPAIRS.—CONTINUED.

WRENCHES.

For One-Horse Plow..... \$.10 — For Two-Horse Plow... .. \$.15

JOINTERS.

Decidedly the most important of all plow attachments, and can be used on most of our plows. The plowman who once uses a Jointer will never want to do without it. See prices below:

No. D, Chilled, for One-Horse Plows	\$1.50	One-Horse Jointer Holders.....	\$.75
" 140, " Nos. 120, 125 and 140 Plows.....	2.00	Two-Horse " ".....	1.00
" 2, for Two and Three-Horse Plows.....	2.00	One-Horse " Standards .....	.50
Jointer Points, Chilled, all numbers.....	.15	Two-Horse " ".....	.50
Jointer Mouldboards, Chilled, all numbers.....	.35		

NOTE.—In ordering, say whether for Wood or Steel Beam Plows.

ROLLING COULTERS.

We have Rolling Coulters to fit every kind of Oliver Plows upon which they may be required. See prices below:
11-inch, for One-Horse Plows, complete. \$3.00 | 13-inch, for Two or Three-Horse Plows, complete... \$3.50

HANCING COULTERS.

These are made to any of our Jointer Holders, and take the place of the Jointer where their use is desired. See prices below:

All other numbers, complete, Two-Horse.....	\$2.00	Holders, same as for Jointers.....	\$1.00
All numbers, complete, One-Horse.....	1.50		

WHEELS.

Their use is strongly recommended in wet or mellow ground. Can be furnished for nearly all our patterns See prices below.

Straight Standard, One-Horse, complete.....	\$.75	Wheels only, Two-Horse.....	\$.50
Brace " Two-Horse,	1.00	Hubs .....	.10
Standards, One-Horse, Straight .....	.40	Centre Pins or Hub Bolts.....	.10
" Two-Horse, all kinds.....	.50	Wheel Caps or Sand Bands.....	.05
Wheels only, One-Horse.....	.40		

NOTE.—In ordering Wheels, say if for Right Hand or Left Hand, Wood or Steel Beam Plows.

COMBINATION PLOW REPAIRS.

Numbers.	Mouldboard Lugs.	Handle Lugs.	Mouldboard and Landside Braces.	Solid Shares.	Shins,	Levers.	Springs.	Landside Plates.
98	20	20	40	.....	.....	20	05	05
99	20	20	40	.....	.....	20	05	05
119	20	20	40	.....	20	20	05	.....
120	20	20	40	45	20	20	05	.....
140	20	20	40	45	20	20	05	.....

NOTE.—Where blank spaces occur parts are not made, hence prices are not given.

HILL-SIDE PLOW REPAIRS.

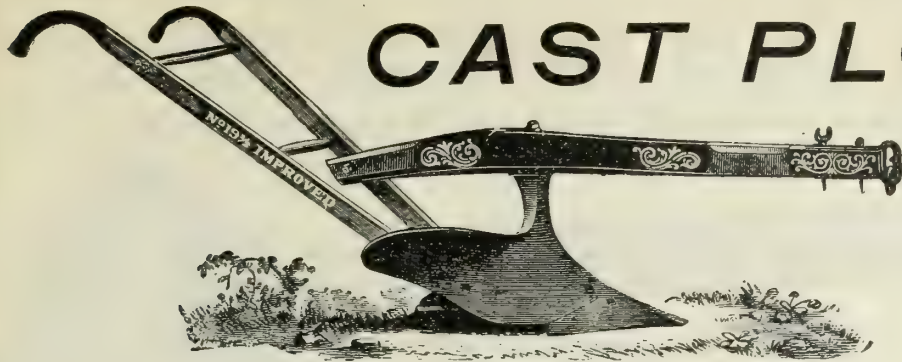
Plow Nos.	Chilled Mould-board.	Steel Mould-board.	Stand-ards.	Land-sides.	Cast Shares.	Set Handles.	Beams.	Clevises	Wrenches.	Wheels.	Jointers.
52	\$2 75	\$2 75	65	50	\$1 75	\$1 00	20	10	.....	.....
53	3 00	3 00	75	50	1 75	1 25	35	15	.....	.....
55	4 00	3 25	1 00	50	2 00	1 00	35	15	\$1 00	\$2 00

NOTE.—Where blank spaces occur, parts are not made, hence prices are not given.

No. 55, Malleable Beams.....	\$4.00	No. 55, Wheel Standard, Double.	\$.75
54, Jointer Standards, Wrought.....	1.00	55, " Yoke.....	.50
" 55, " ".....	1.00	" 52-C, Hook Holder.....	.30
" 54, " Mouldboard and Point.....	.50	" 52-D-M, B Foot.....	1.00
" 55, " ".....	.50	" 52-F-M, B Brace.....	.60
" 54, Wheel Standard .....	.50	" 52-H, Lever.....	1.00
" 54, " Block.....	.25	" 52-I, Handle Part.....	.30

BOLTS.

For Shares.....	\$.03	For Wheel Standards (Straight or Hook).....	\$.10
For Mouldboards and Landsides.....	.03	For End of Beam... ..	.10
For Jointer and Coulter Standards, No. 5.....	.03	For all other Standards and Beams.....	.15
For End of Handle Brace.....	.03	For Spreading Bottom of Handles.....	.10
For Jointer and Coulter Holder, No. 6.....	.10		



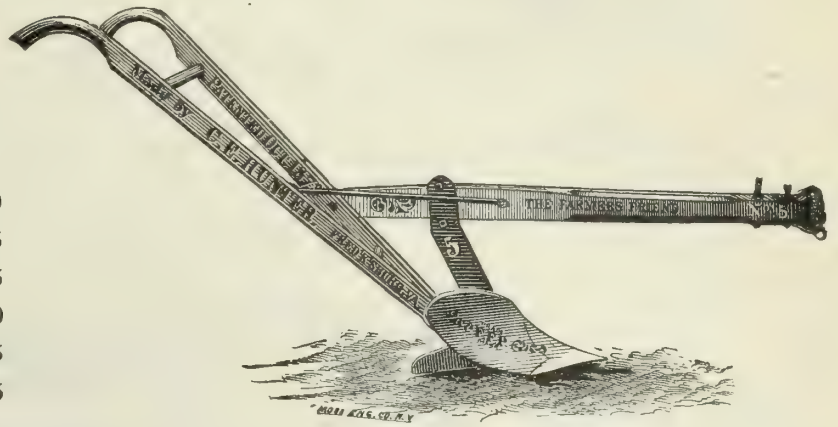
CAST PLOWS.

Minor & Horten High Standard Plows.

No. 18 Plow.....	\$3 00
" 18½ "	3 50
" 19 "	4 00
" 19½ "	5 00
Plain Castings per lb.	

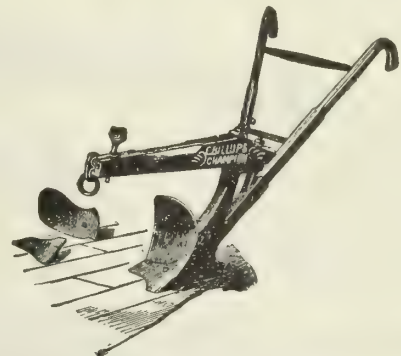
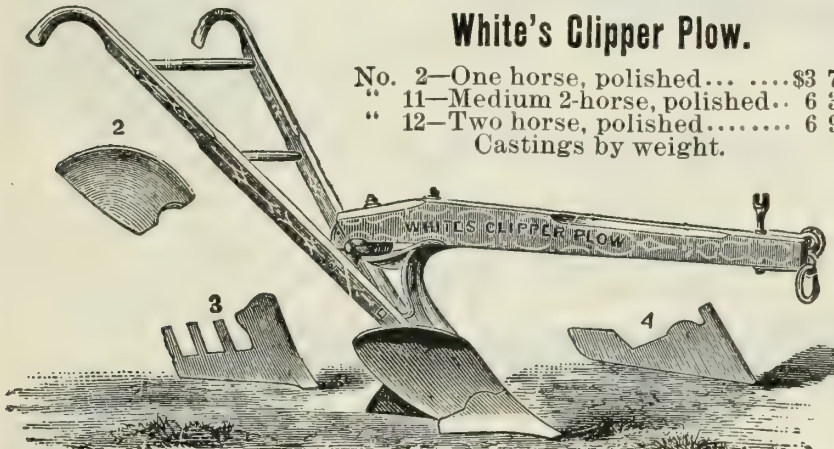
Genuine Farmers' Friend Plow.

No. 5 ..	\$2 50
" 7 ..	3 75
" 7½ ..	4 25
" 8 ..	6 50
" 5½ chilled.....	6 25
" 8½ " ..	7 25



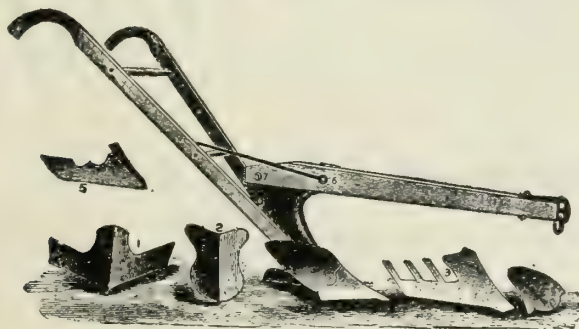
White's Clipper Plow.

No. 2—One horse, polished...	\$3 75
" 11—Medium 2-horse, polished..	6 35
" 12—Two horse, polished.....	6 90
Castings by weight.	



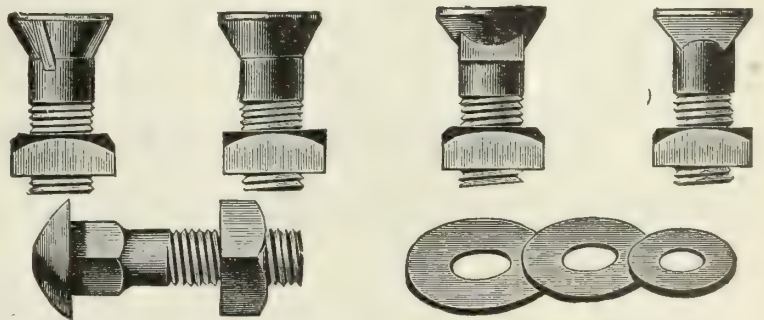
Girl Champion Plow.

No. "Girl."	\$3 00
" A.	3 50
" AA.	4 00



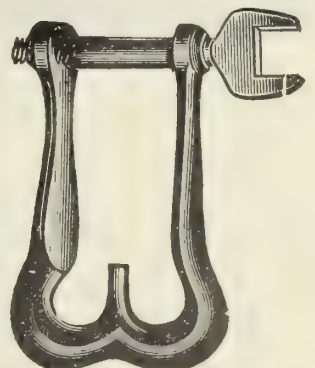
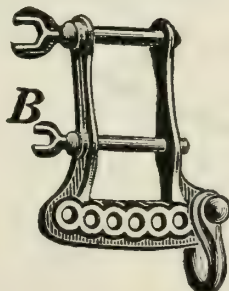
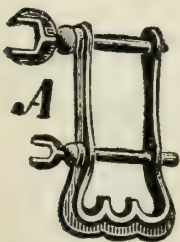
"Boy" Dixie Plow.

No. X.....	\$2 00	No. "Boy.".....	\$2 00
I.....	2 50	II.....	4 00
Castings by weight.			



Plow, Machine and Carriage Bolts and Nuts.

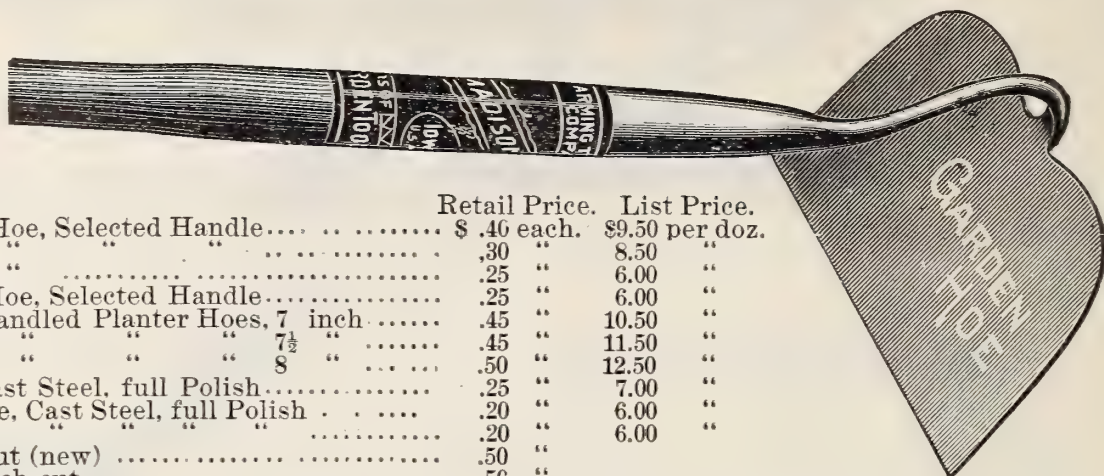
PLOW CLEAVES,



Prices.—For A-20c.—B-35c.—D-50c.

Extras furnished for most of the other Chilled and Cast Plows used throughout this section, including South Bend, Roland, Syracuse, Bissell, Wiard, &c.

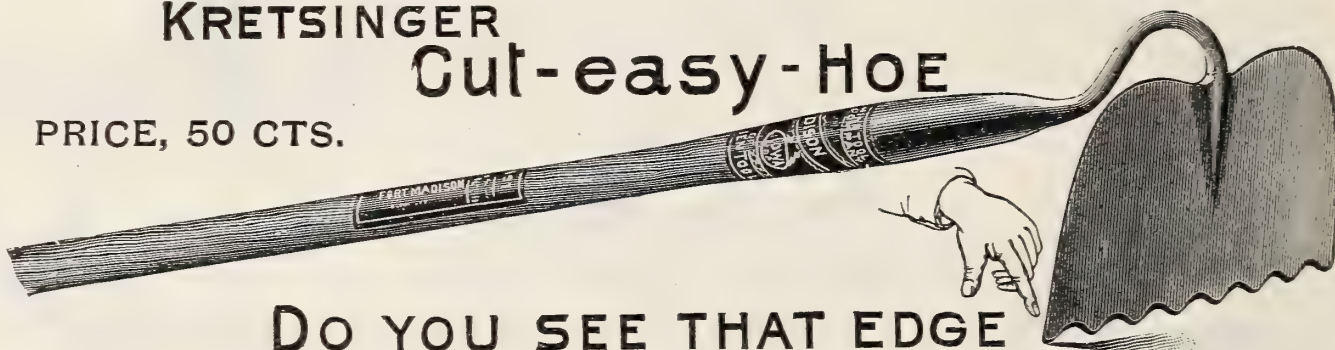
GARDEN HOES.



Also many other special styles and shapes.

A . . .
SPECIALLY
GOOD
THING.
TRY
IT. . . .

PRICE, 50 CTS.



DO YOU SEE THAT EDGE

STEEL GARDEN RAKES.

• THE "PEERLESS" SOCKET. •

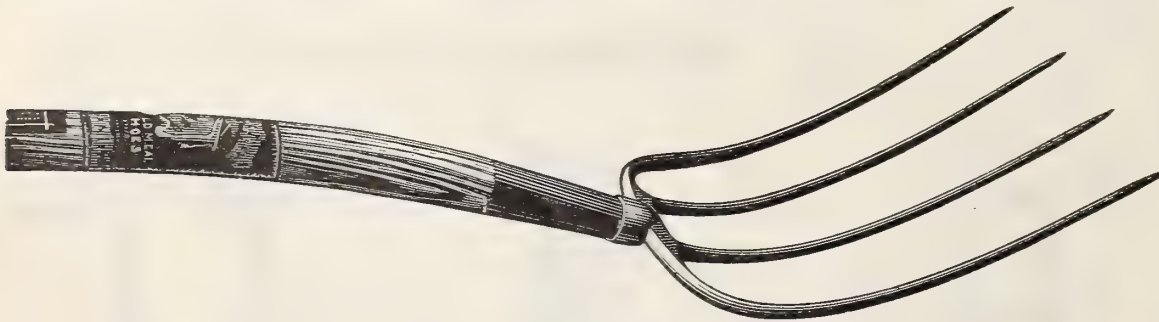
RAKE.



No.				Retail Price.	List Price.
No. 112—12-Tooth “Prize” Bow Braced Steel Rake.....				\$.50 each.	\$12.00 per doz.
“ 114—14 .....				.55 “	13.00 “
“ 116—16 .....				.60 “	14.50 “
“ 10—10 Celebrated Cast Steel Shank Rake. ...				.35 “	10.00 “
“ 12—12 .....				.40 “	11.00 “
“ 14—14 .....				.45 “	12.00 “
“ 16—16 .....				.50 “	13.00 “

MALLEABLE GARDEN RAKES.

No.						Retail Price.	List Price.
710—10-Tooth	Braced	Shank	Malleable	Garden	Rakes.....	\$.20 each.	\$6.00 per doz.
712—12	"	"	"	"	".....	.20 "	6.50 "
714—14	"	"	"	"	".....	.25 "	7.00 "
716—16	"	"	"	"	".....	.30 "	7.50 "



Steel
Hay, Manure
—AND—
Spading
Forks.

No.	Description	Retail Price.	List Price.
6-2	Time, Straight Handle, Hay Forks, Plain Ferrule.....	\$.30 each.	\$ 8.00 per doz.
7-2	" " " " Strap .....	.40 "	9.50 "
12-3	" " " " Plain .....	.40 "	9.50 "
13-3	" " " " Strap .....	.50 "	11.00 "
40-4	Long Bent Handle Manure Fork, Plain Ferrule. ....	.40 "	12.50 "
41-4	" " " " Strap .....	.50 "	14.00 "
251-5	Wood D. Handle " " " " .....	.70 "	22.50 "
255-6	" " " " " " " " .....	.80 "	25.50 "
170-Ex.	Heavy Angular 4-Tine Spading Fork, Patent Locked Ferrule. ....	.90 "	
281-Heavy	4 " " " Capped Ferrule.....	.75 "	

Also D. H. Diamond Tine Manure Forks; Four and Five Tine Extra Heavy; Ten Tine Stone Forks, and many other styles as well as cheaper grades.

IN SHOVELS AND SPADES

we carry a large line, including Solid Cast Steel, Socket, Welded and Riveted styles We enumerate only a few of the leading styles and makes for want of space, but can furnish almost everything in this line from the very BEST WARRANTED GOODS to the cheaper grades.



No. 2—Long Handle, Round Point, Griffith Steel Warranted Shovel.....	retail.....	\$1 00
“ 2—“ “ “ “ Ames.....	“	1 00
“ 2—“ “ “ “ Rowlands Steel “	“	75
“ 2—“ “ “ “ Hills.....	“	75
“ 2—“ “ “ “ Steel Socket Shovels.....	“	75
“ 2—“ “ “ “ Riveted Shovels.....	“	50

Scoop Shovels of all sizes always on hand. Wood and Wire Potato Scoops—different styles in stock.



No. 2—D. Handle, Square Point, Griffith Warranted Steel Shovel.....	Retail. \$1 00
No. 2—D. Handle, Square Point, Ames Warranted Steel Shovel.....	1 00
No. 2—D. Handle, Solid Socket, Steel Shovel	75
No. 2—D. Handle, Riveted Shovels.....	50

Many other sizes and styles always on hand.

No. 2—D. Handle, Square Point, Griffith Warranted Steel Spade.....	Retail. \$1 00
No. 2—Long Handle, Square Point, Griffith Warranted Steel Spade.....	1 00
No. 2—Long Handle, Square Point, Ames Warranted Steel Spade.....	1 00
No. 2—D. Handle, Square Point, Ames Warranted Steel Spade.....	1 00
No. 2—D. Handle, Square Point, Hills or Rowlands Steel Spade.....	\$ 75
2—Long “	75



TURF EDGERS.

No. 40—Solid Steel Turf Edger, with Handle.....	retail.....	50 cents.
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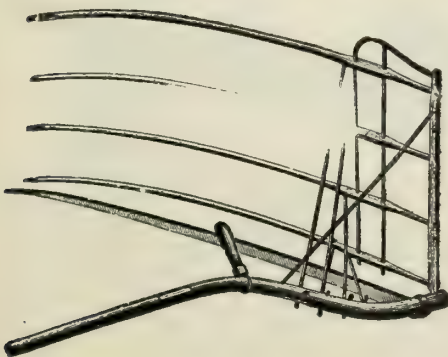
THISTLE AND DOCK CUTTERS.

No. 30—Steel Thistle and Dock Cutters, with Handle and Foot Rest.....	retail.....	50 cents.
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POTATO AND MANURE HOOKS.

No. 9—4-Tine Angular Back Cast Steel Potato Hooks.....	retail.....	40 cents.
No. 8—5-Oval Tined Malleable Potato Hooks.....	“	25

SCYTHE SNATHS,



No.		Retail Price.	List Price.
No. 2—Plain Snath (Heavy).....		\$ 50	\$ 6 50
“ 3—“ (Light).....		40	7 50
“ 00—Patent Loop Bolt Snaths.....		60	10 00
“ 10—Patent Bush Scythe Snaths.....		60	11 00
“ 20—Two-Ring Bush Scythe Snaths.....		60	10 00

HAND-MADE GRAIN CRADLES.

Made from the Best Material with ENGLISH and AMERICAN BLADES.

Hand-Made Schwab Cradle, with English Waldron Blade.....	retail.....	\$4 50
“ “ “ “ American.....	“	3 50
Baltimore Grain Cradle, with American Blade.....	“	3 50
Factory-Made.....	“	3 00

TRIUMPH STEEL CHAINS.

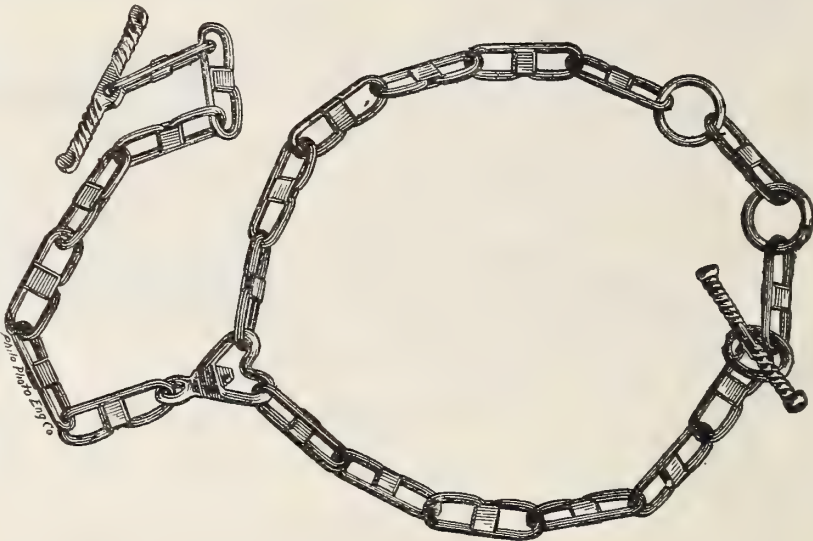
These Chains are very light and possess *great strength*, all links possessing equal strength. This is of great advantage over other makes of chain.

Special Features—They do not kink, have no welds to give way, and have no sharp edges.

No. 3-0—Triumph Cow Tie (Ohio pattern).....	Each.	Per Doz
4-0.....	\$ 25	\$2 75
3-0—4½-ft. Triumph Halter Chain.....	30	3 25
3-0—6-ft.	25	2 75
5-0—7-ft.	30	3 25
6-0—7-ft.	60	per pair.
5-0—3½-ft.	75	
6-0—3½-ft.	50	"
2-6 ft.	60	"
1-20 ft.	30	
0-20 ft.	1 00	
heavy	1 20	

PATENT SLEEVE CHAINS.

We call *special* attention to the following features.—It is made from steel wire with the ends of the metal inserted into a closely fitting malleable iron sleeve. As these ends abut against the continuous portion of the link, they form a cross-bar, and the more strain placed on the link the tight-

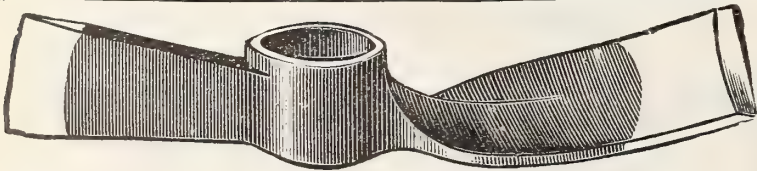


er the ends are forced together.

This chain is the only *patented* chain which has no *unprotected ends*, and is free from obstructions and projections. We offer same in Cow Tie and Long and Short Traces, No. 6 Size.

Cow Ties, each.....25 cts.; per doz.....\$2 50

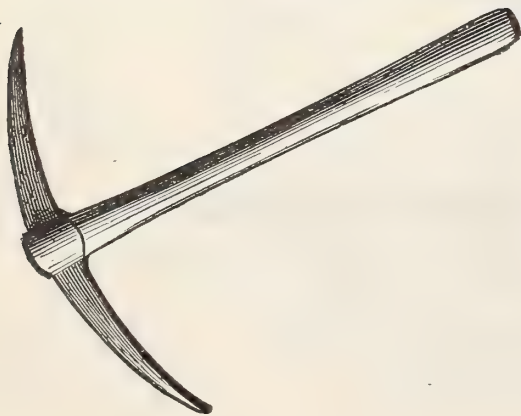
We also keep a full line of **Regular Wrought Iron Chains in Traces, Breast Chains, Tug, Log and Fifth Chains.**
WRITE FOR PRICES.



MATTOCKS, PICKS AND GRUB HOES.

	Retail Price.	List Price.
No. 1—5 lb. Best Quality Warranted Steel Mattocks.	\$ 75	
1-6	90	
2-5 and 6 lb. Best Refined Iron Mattocks (Steel Cutters).....	50	\$16 00
1-3½ lb.	40	11 00
2-4	40	11 50
Grub Hoes (Steel Bit)		

PICKS.



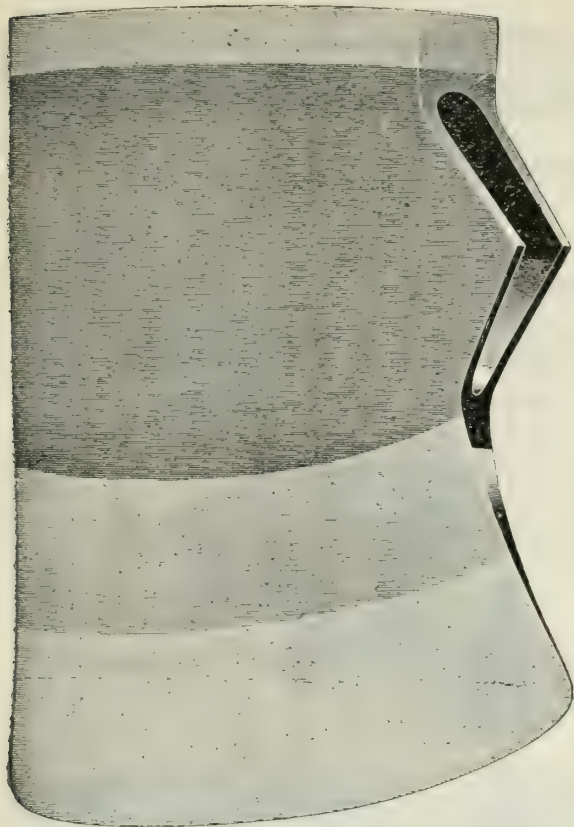
	Retail Price.	List Price.
No. 1-6 to 7 lb. Best Quality Warranted Steel R. R. Picks, \$ 80		
2-6 to 7 lb. Refined Iron R. R. Picks (Steel Points, 50		\$13 00

PICK AND MATTOCK HANDLES.

No. X—Best Quality, Selected, Second Growth Hickory Pick Handles..	20c.
1—Good White Hickory Pick Handles..	15c.
2—Mixed White and Red	10c.

ALSO ASH HANDLES—DIFFERENT GRADES.

BALTIMORE JERSEY PATTERN.



AXES.

In Axes we carry the best lines only. We aim to sell only those we know to be first-class in every respect and that have an established reputation.

	Retail Price.
Wm. Mann's Celebrated Red Warrior Axes.....	each, \$ 70
W. Stewart's Superior Steel Axes	70
Robt. Mann's " " " Extra Steeled.....	60
Marshall Bros.' " " "	50
Hatchets—Half Pattern and No. 2 Shingling.....	25 to 60c.

AXE HANDLES.

	Each.
No. X—Extra Selected 2d Growth all White Hickory Axe Handles, \$	25
" 1—Selected 2d Growth all White Hickory Axe Handles..	20
" 2—White and Red Hickory Axe Handles..	15
" 3—.....	10

WROUGHT SCREW AGRICULTURAL WRENCHES.



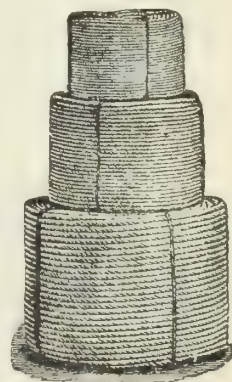
	6 inch.	8 inch.	10 inch.	12 inch.	15 inch.
Retail Price, each.....	\$ 25	\$ 35	\$ 50	\$ 60	\$ 75
List Price, per doz.....	9 00	10 00	12 00	14 00	24 00

Rope, Fodder Yarn and Binder Twine.

We keep a full line of Manilla, Sisal and Cotton Ropes, including all sizes from 5-16 inch up. We make a specialty of $\frac{3}{4}$, 13-16 and $\frac{7}{8}$ Hay Fork Rope.

COMPLETE LINE OF TWINES AND FODDER YARN ALWAYS ON HAND.

WE MAKE A SPECIALTY of BINDER TWINE and carry a large stock of all grades in season. Prices quoted on application.



OILS, OIL CANS AND AXLE GREASE.

We are headquarters for a full line of Lubricating Oils. Our celebrated Farmers' Favorite Harvester Oil is a first-class article, pronounced and recommended by all who have used it as the best to be obtained for the money.

Price, 65 cents per gallon, in One Gallon Cans.

No. 1 CASTOR OIL, Price 75 cts. per Gallon.

Special prices in barrel and half-barrel lots.

OIL CANS.

We carry in stock a full line of Oil Cans for all kinds of farm machinery, including the Oval, Round, Dome and Chase styles. Prices, 10, 15 and 20 cts. each, according to size and style.

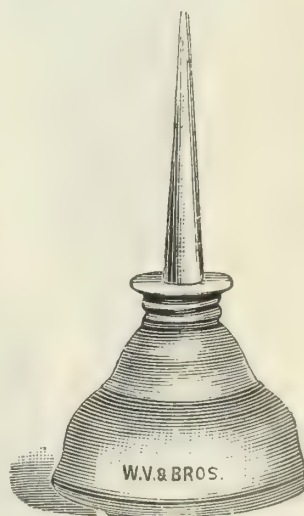
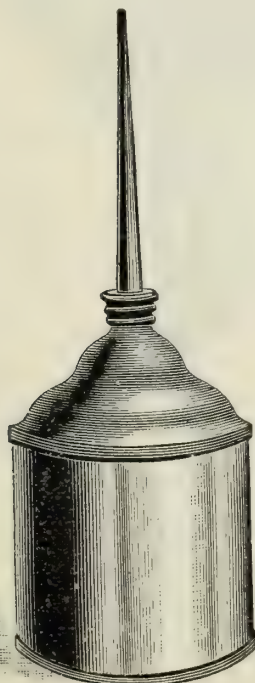
AXLE GREASE.

Hayes' Axle and Machine Grease is made from pure lubricating oils, does not contain any water, refuse, soap, or Fuller Earth, will not gum or corrode and will last longer than most goods of the kind. It is sold on its merits, is suitable for any kind of work, light or heavy, or any season of the year. This grease is packed in neat tin cans and buckets, of all sizes, to suit the trade. The advantages of carrying grease in tin cans are: First, none of the oil dries out or is absorbed by the package; secondly, the boxes carry better and are much more easily handled by the merchant.

—PRICES:—

1-lb cans.....	6 cents each.	2-lb. cans... ..	10 cents each.
1½ lb. cans.....	8	15-lb. bucket	75

CHEAPER GRADES IN STOCK.



ALL KINDS OF MACHINERY REPAIRED.

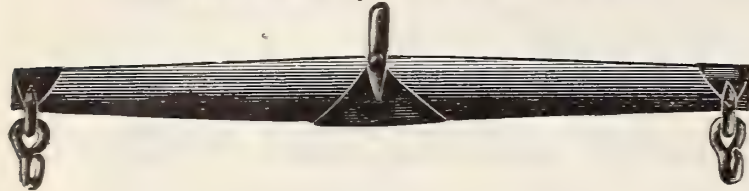
WOODEN NECK YOKES.

IRONED,
COMPLETE,
75 Cents.



SINGLE, DOUBLE AND TRIPLE TREES.

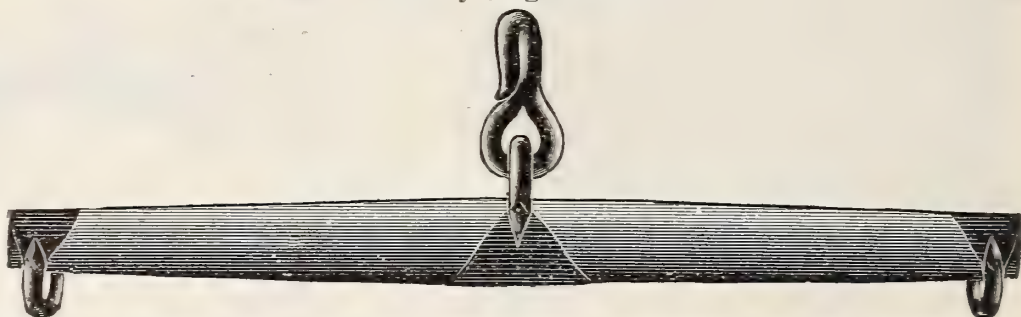
IRONED, COMPLETE.



26-inch Southern Single Trees.....	\$.25
28-inch Extra Nailed Single Trees.....	.40
30-inch Heavy Single Tree.....	.50
32-inch Heavy Single Tree.....	.60
34-inch Heavy Single Tree.....	.60
36-inch Heavy Single Tree.....	.75

36-inch Southern Double Trees.\$.75
36-inch Heavy Double Trees ... 1.00
40-inch Heavy Double Trees ... 1.10
Extra Heavy Triple Trees..... 2.00

Oval, Lap or Open Rings, 10c. each,
Chain Repair Links, 30c. per doz.



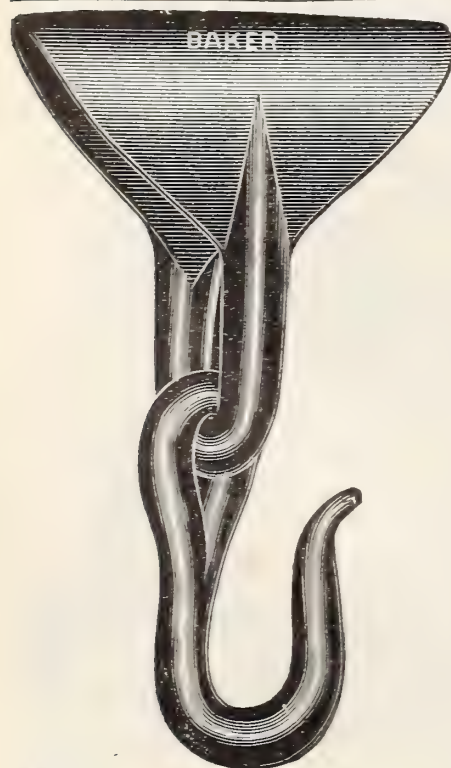
Flatau's Patent Rolled Steel Single, Double and Triple Trees.



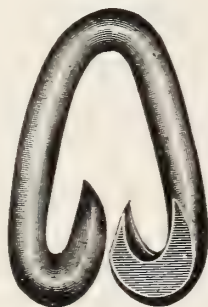
No. 1, 26-inch Steel Single Trees.....	\$.50	No. 3, 34-inch Steel Double Trees.....	\$1.00
No. 2, 30-inch Steel Single Trees.....	.90	No. 5, 40-inch Steel Double Trees.....	1.50
No. 3, 34-inch Steel Single Trees ...	1.00		

STEEL TRIPLE TREE SET—Price, \$4.80.

Composed of one 40-inch, two 30-inch, and three 26-inch, and one Centre Loop.



SETS OF WELDED CLIPS.



FOR SINGLE TREES.

	Price Per Set.	Per Doz. Sets.
No. 28—One Centre $\frac{1}{2}$ -inch Clip, welded, and two $\frac{3}{8}$ -inch End Clips, welded, with 5-16-inch Hooks as used on our 28-inch Single Trees.....	\$.20	\$2.00
No. 30—One Centre 9-16-inch Clip, welded, and two 7-16-inch End Clips, welded, with $\frac{3}{8}$ -inch Hooks as used on our 30 and 32-inch Heavy Single Trees.....	.25	2.50
No. 34—One Centre $\frac{3}{8}$ -inch. Clip, welded, and two 7-16-inch End Clips, welded, with $\frac{3}{8}$ -inch Hooks as used on our 34 and 36-inch Heavy Single Trees.....	.30	3.00

FOR DOUBLE TREES.

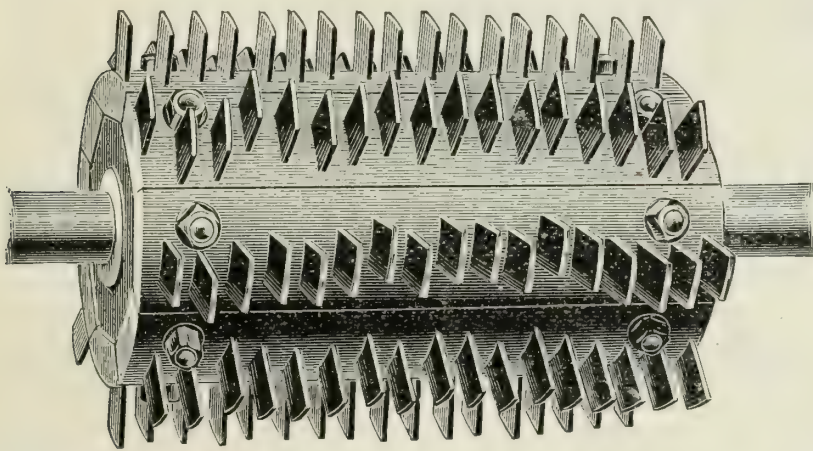
No. 36—Southern, one $\frac{3}{8}$ -inch Centre Clip and Hook, welded, with $\frac{1}{2}$ -inch Hook and two $\frac{1}{2}$ -inch End Clips, welded, as used on our 36-inch Southern Double Trees.....	.25	2.50
Nos. 36 and 40—Penna., one $\frac{1}{2}$ -inch Centre Clip and Hook, welded, with $\frac{1}{2}$ -inch Hook and two 9-16 inch End Clips, welded, as used on our 36 and 40-inch Heavy Penna. Double Trees....	.40	4.00

THE subject of cutting fodder comes up very frequently in our correspondence. Since issuing our last Catalogue we find the people have become more and more enlightened on the subject. There is no question but that a farmer should either cut or shred his fodder to get the best results. We have no hesitancy in making the statement that the cutting of fodder or the shredding of it, will save at least one-third, and that there will be better results both in milk and flesh if fodder is used in this way. We have a good many customers now who have taken up the cutting and shredding of fodder for the first time within the last two years, and are now buying cattle to winter and fatten in addition to the number of head they have usually kept, and are carrying them through with the same amount of rough fodder that they used before putting it in proper condition. We believe that the time is coming—and not far distant—when every dairyman or farmer keeping any amount of stock will be obliged to use some machine of this kind. We do not for a moment presume any intelligent farmer doubts the value of reducing the feed in the manner described; if there are such, they can easily ascertain the facts by corresponding with anyone who has used it.

We shall be glad to furnish information, to anyone wishing it, on the subject of shredding fodder, and solicit correspondence from farmers and dairymen who have used a Feed Cutter and who have any doubts about its benefits, so that we may be able to give them such information as we have at hand or such as they may need.

We describe on the next page such machines as are considered best for general use.

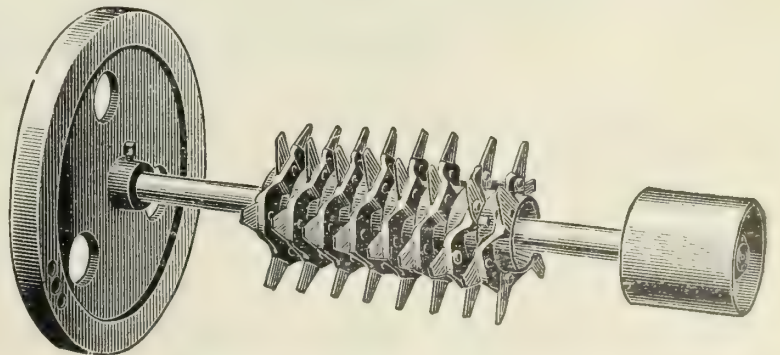
This cut shows the ROSS SHREDDER HEAD, which can be attached to any of the Ross



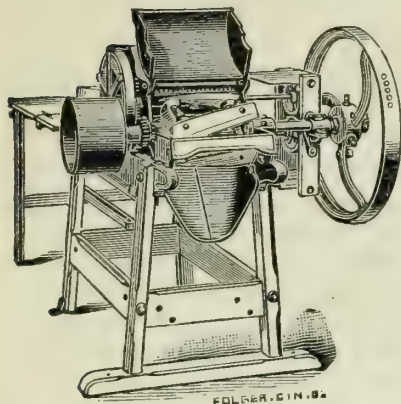
machines, as per prices and sizes found on Page 93. The prices on these Heads do not include balance wheel and pulley, as the same balance wheel and pulley that are used on Cutter work satisfactorily when Shredder Head is used. We catalogued this Shredder last year for the first time, since when the trade has constantly grown, and we have not sold

a single machine which has failed to please the buyer in every respect.

The annexed cut shows the OHIO SHREDDER CYLINDER. Prices include extra balance wheel and pulley. Speed 1000 to 1200 revolutions per minute. We cannot guarantee satisfactory results unless the machine is speeded close to 1000 revolutions. The Bucket Carrier will keep the shredded fodder away from the front of the machine and will elevate it perfectly. Sizes and prices of the above will be found on Page 92.



CELEBRATED ROSS CUTTERS AND CARRIERS.



THE upward cut used on this machine, whereby the knife rests naturally on its bearings, is one of the popular characteristics of this machine. By the upward cut the edges of the knives and the cutting plate are both in full view, so that after sharpening and grinding, the knives can be adjusted accurately and easily. By a perfect arrangement, the feeding roller can open either parallel or obliquely and at the same time retains all parts in perfect condition, and by opening obliquely will feed heavily on one side and less on the other. They are self-feeding and cannot clog or stop.

The following are list prices of the Ross Cutters:—

No. 7 Cylinder Hand Cutter.....	\$16.00	No. 9A or 90 Cylinder Hand Cutter.....	\$35.00
" 7½ " " " "	18.00	" 111, with Patent Table.....	50.00
" 8½ " " " "	25.00	" 113 and 13A, Cylinder Power Cutter..	65.00
" 8 with Knives in Balance Wheel....	30 00	" 116 and 14A, " " " "	90.00
" 10 " " " " " "	36.00		

Less 30 per cent. to the farmers.

PRICES OF CARRIERS:

Little Giant Carrier, 12 foot Angle and Straight for No. 09....	\$30.00	Each additional foot....	\$1.50
New Ross Swivel Carrier for Little Giant No. 111.....	36.00	" " " "	1.75
" " " " " " " " 113.....	36 00	" " " "	1.75
" " " " " " " " 116.....	36.00	" " " "	2.00
" " " " " " " " 108.....	38.00	" " " "	2.00
" " " " " Ross " " 181.....	45.00	" " " "	2.50
" " " " " " " " 265.....	45.00	" " " "	2.50

Less 30 per cent. retail. All of the above are 12-foot carriers.

ROSS SHREDDER.

ON the foregoing page we have shown the advisability of the use of Shredders on cutters, and we have no hesitancy in saying the Ross Shredder is one of the *best* in use. We can safely assert from last year's experience that the demand for these Shredders will be ten times as great this year.

The Ross Company has provided a Shredder for their entire line of old and new machines. It is made in such a way that it can be replaced and repaired easily and inexpensively. It has eight lags to a cylinder. These lags are filled with steel knives and are cast in the lag perfectly solid. They are set in a zigzag form so as to lessen the amount of power, and they are set also so that one does not directly follow the other from one lag to the other, this also lessening the amount of power required and making the teeth strike closer together. In fact, every eighth of an inch of fodder is hit with the knives so that it makes the shredded fodder very perfect, and we do not have as many pieces or thick pieces as a good many of the other shredders produce. These lags are bolted to solid hubs on the main shaft and with heavy machine screws, so that they are absolutely secure.

PRICES OF MACHINES WITH SHREDDER ATTACHMENT AND WITHOUT KNIFE CYLINDER:

With No. 9A or 90 Shredder.....	\$35.00	With No. 113 Cylinder Power Shredder....	\$65.00
" " 111 Shredder with Patent Table. 50.00		" " 116 " " " "	90.00

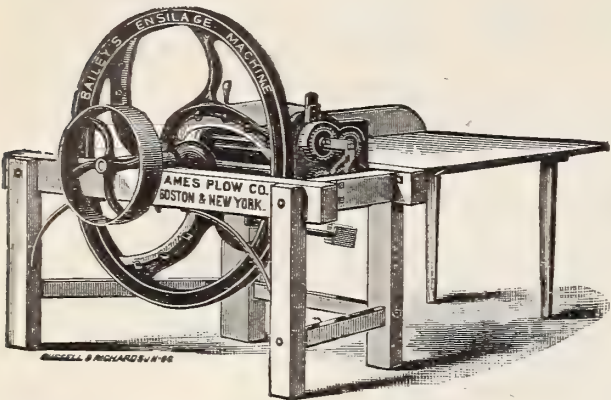
Less 30 per cent. to farmers.

SIZES AND LIST PRICES OF ROSS SHREDDER HEAD AS PER CUT ON PAGE 92.

For No. 95 and 09 Machine.....	\$14.00	For No. 118, 108 Machine.....	\$30.00
" " 11A, 101, 111 "	18.00	" " 18A, "	50.00
" " 13A, 103, 113 "	19.00	" " 181, "	50.00
" " 14A, "	20.00	" " 26A, "	65.00
" " 106, 116, "	21.00	" " 261, "	65.00
" " 17, "	30.00	" " 265, "	65.00

Discount same as on Cutters.

Doctor Bailey Ensilage & Dry Forage Cutters.



PRICES:

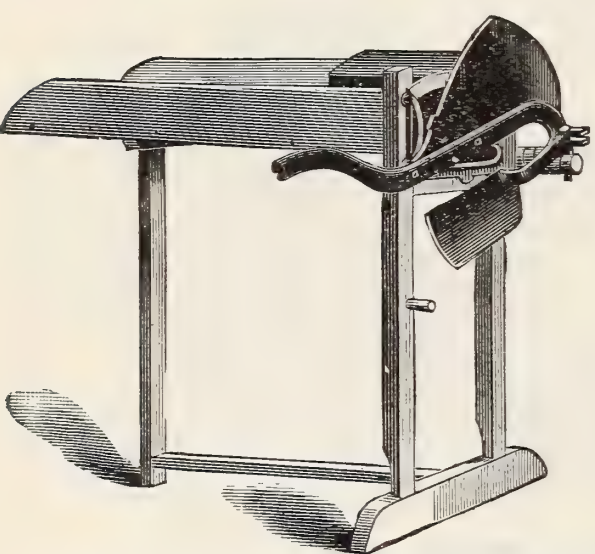
9-inch.....	\$28 00	14-inch.....	\$75 00
10 ".....	35 00	16 ".....	95 00
12 ".....	55 00	20 ".....	120 00

A discount of 10 per cent. to farmers from above prices.

The Dr. Bailey Ensilage Cutters have many advantages possessed by no other ensilage machine or cutter.

There are six sizes. The size with 10-inch knives is for hand use, the 12-inch machine is for use by hand or horse power, the 14-inch machine is for one horse-power, while with a one horse-power the 16-inch machine (illustrated above) will cut much more than any cutter having convex knives.

Upon a careful test the Dr. Bailey 20-inch machine cut green corn fodder at the rate of 7 tons per hour, $\frac{3}{8}$ of an inch long, and at the rate of 15 tons per hour, $\frac{3}{4}$ of an inch long. The 12, 14, 16 and 20-inch machines cut ten different lengths: $\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$, 1, 1 $\frac{1}{4}$, 1 $\frac{1}{2}$, 1 $\frac{3}{4}$, 2 and 2 $\frac{1}{2}$ inches. The 10-inch machine cuts four different lengths, $\frac{3}{8}$, 1, 1 $\frac{1}{2}$ and 1 $\frac{3}{4}$ inches.



Baltimore Lever Cutter.

This cutter is made of the best material and with the best possible device for adjusting the knife. It is made with the curved knife only and has four legs instead of three as shown in the cut.

PRICE... \$5 00.

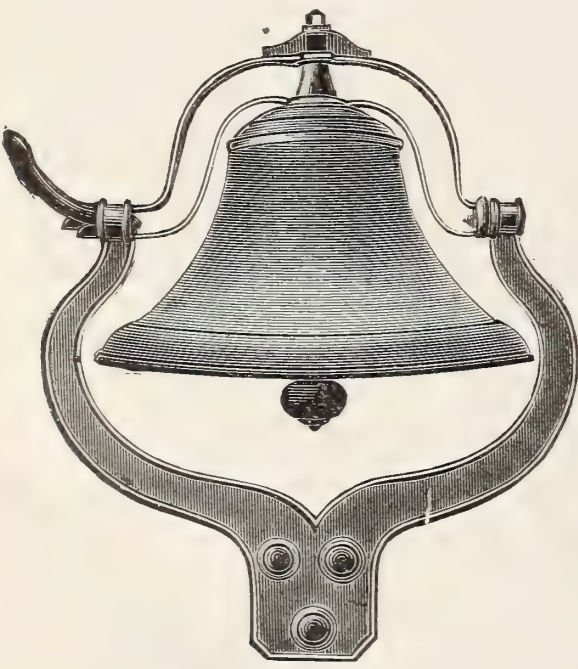
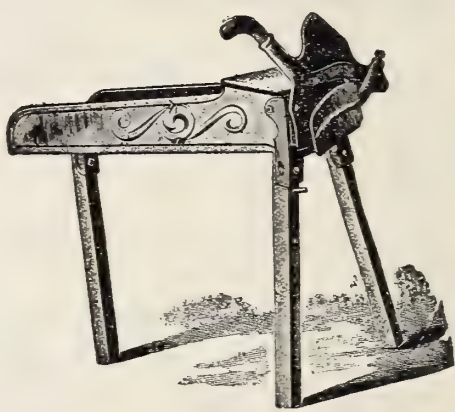
There are a number of cheaper Lever Cutters on the market which we do not carry in stock, but can furnish at lowest market prices.

Maryland Lever Cutter.

Strong, cheap and durable.

PRICE,.....\$4 00

G. & T. Lever Cutter, 3 50



Decarbonized Metal Farm Bells.

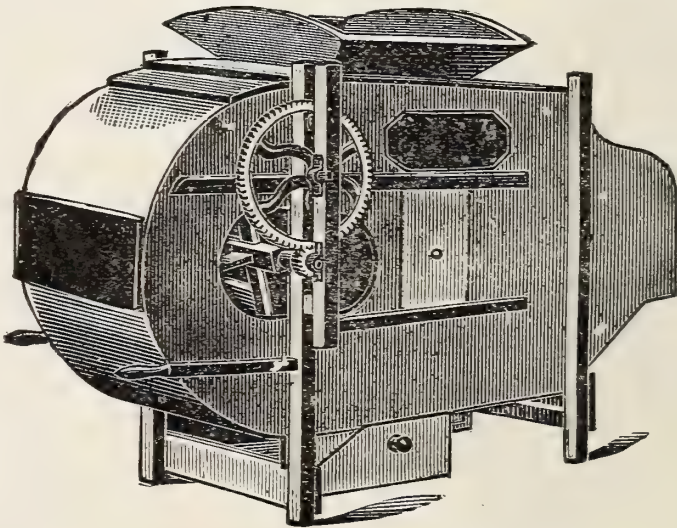
No.	Diameter of Bell.	Weight, Complete	List Price, Bronzed.	Retail Price Bronzed.
No. 1.....	15	40 pounds.	\$4 00	\$2 00
" 2.....	17	50 "	5 00	2 50
" 3.....	19	75 "	7 50	3 75
" 4.....	20	100 "	10 00	5 00

Above prices include bells and hangings complete.

The Canton Hoist.

Can be used to advantage in factories of all kinds, foundries, quarries, mills and warehouses; also by contractors, carpenters, stone masons and all classes of mechanics, as well as farmers. *They are indispensable on the farm.*

Special farm size, No. 37, capacity 800 }
pounds; one man can lift 400 pounds. } **PRICE. \$4.00.**



Improved Grain Fan.

PRICE, - - - - - \$18.00.

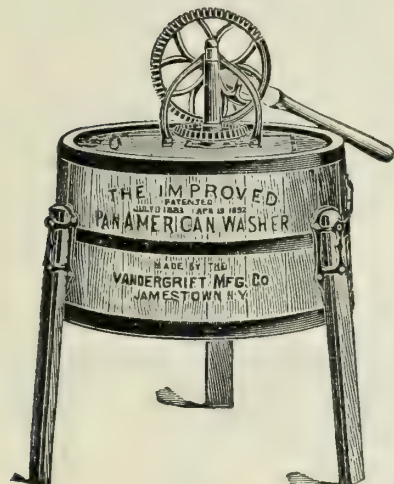
The Improved Pan-American Washer.

THE MOST SUCCESSFUL WASHER ON THE MARKET.

It is Supplied with the Latest Improved Gearing.

Sold on its Merits.

Guaranteed to Give Satisfaction.



THE cuts show the exterior and interior of our Improved Pan-American Washer. The machine is constructed of clear pine, and is stronger, more nicely finished, and as large as any round machine on the market. The inside of the machine is fully corrugated, similar to a washboard, there being no nails or blocks of any kind on the inside.

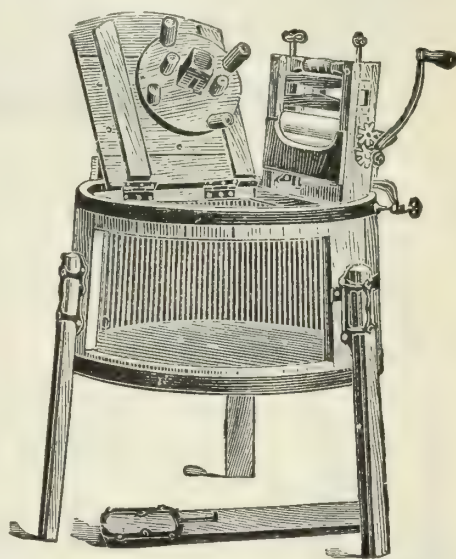
The machine is made with the large end of the tub down, allowing plenty of room for water and clothes. The hoops are made of extra heavy hoop iron and warranted not to break. The brackets that hold the legs of the machine are so arranged that the leg is self-adjusting, thereby always insuring the machine to stand solid on the floor.

The machine closes tight, and retains the heat in the water for a long time and prevents the odor of foul steam from the

clothes. The washer can be used on a carpet without soiling the same. It has a large, convenient place for holding the wringer, which need not be removed while using the machine. Our Pan-American Washers are guaranteed to be perfect in every respect. If they do not prove all that we claim for them, they can be returned to us and the amount paid will be refunded. All we ask is a trial.

PRICE, - - - \$6 00.

For sale by Griffith & Turner Co., General Agents, Baltimore, Md

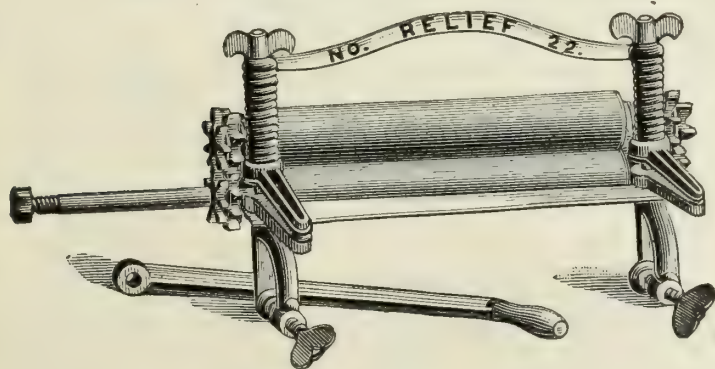


IRON FRAME

Relief Wringer.

IRON FRAME

The Frame is Made Entirely of Wrought and Malleable Iron.



BY the use of the thumb nuts and spiral springs in this Wringer the pressure can be adjusted quickly for either heavy or light work, therefore the rolls are never overstrained and will wear much longer than in the ordinary iron frame Wringer.

With Cog Wheels. Five sizes. Packed four and six in a case.

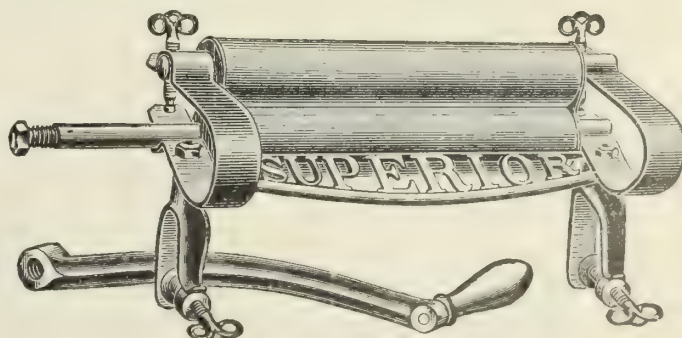
No. 22.—Small Family. Size of Rolls,

10x1 3/4 in. Price, \$3 00

Superior Wringer.

Also carry a stock of the following well-known Iron Frame Wringers:

Superior.	Size of Rolls,	10x1 3/4 inches.	Price....	\$2 50
"	"	" 12x1 3/4	"	.... 3 00
Daisy.	"	" 10x1 3/4	"	.... 2 00
Star.	"	" 10x1 3/4	"	.... 1 50

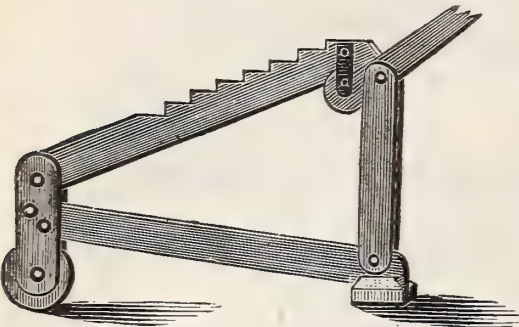


ALL KINDS OF MACHINERY REPAIRED.

PLOW HANDLES.

1½x2 inches, 5 feet long..... per pair, \$ 35
1¼x2¼ inches, 5 feet long..... per pair, 40

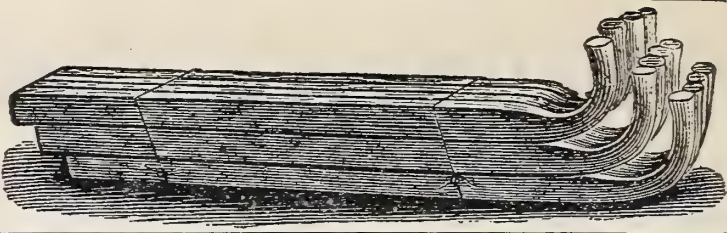
MILLER'S IMPROVED WAGON JACK.
IT IS MADE IN THREE SIZES.



No. 1—Adapted for Buggies or light work, capacity 2,000 lbs..... \$1 25
No. 2—For Heavy Wagons, Transfer Wagons, Trucks, etc., capacity
from 3,000 to 5,000 lbs..... 1 50
No. 3—..... 2 25

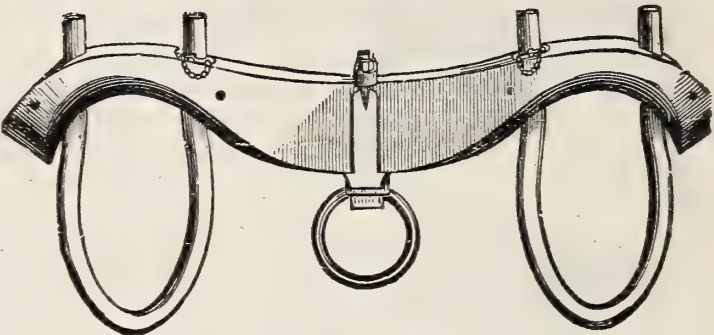
It is made of selected Ash Wood, put together with bolts. Its weight is respectively 9 and 14 pounds each for Nos. 1 and 2. They are very strong and durable, as the strain comes parallel with the grain of the wood, the weight is shared throughout the entire machine. Some of the advantages of this Jack over all others on the market are: It is so constructed that you do not have to make any adjustments for different height axles, as that is regulated by the notch bar. The notch bar raises perpendicularly, which keeps the vehicle from pushing forward or backward, and thereby doing away with blocking or scotching. You do not, in placing it under a spring wagon or truck, have to get down under the bed to place it under the axle.

The eccentric lever with the moving bars gaining on every pound lifted, makes it a good lever by which a boy ten years of age can lift the heaviest wagon. This Jack is an improvement which combines *Simplicity, Practicability and Efficiency*. This is the best Jack made! Gives entire satisfaction! Why not try it? We also have a cheap Jack, very simple in construction, but one which is easily handled, and is all right for light work. Price, 50 cents.



OX YOKES COMPLETE.

Sizes.	Description.	List Price.
No. 1—7 inches on neck by 19 inches between bows....		\$ 6 00
“ 2—7½ “ “ “ 20 “ “ “ “		6 50
“ 3—8 “ “ “ 21 “ “ “ “		7 50
“ 4—8½ “ “ “ 22 “ “ “ “		8 00
“ 5—9 “ “ “ 23 “ “ “ “		9 00
“ 6—9½ “ “ “ 24 “ “ “ “		9 50
“ 7—10 “ “ “ 25 “ “ “ “		10 00
Ox Bows, per pair, regular.....		1 15
heavy		1 25



Bent Rung Step Ladders, Extension and Single Ladders.

A 16-foot Single Ladder only weighs from 21 to 25 pounds. By drawing out a small rod at top of Step Ladder it can be converted into two separate ladders. These goods are made nearly altogether by hand, and are very much superior to factory ladders. No holes are bored in the side pieces, thus making them the strongest and lightest ladders made. The rungs are made of toughest hickory. A slight groove in the side pieces, in which the rungs are set, acts as a brace and aids to stiffen the ladder.

PRICE LIST.

SINGLE LADDERS.

Less Thirty Per Cent. from the following prices:

5 feet....	\$1 25	10 feet.....	\$2 50	15 feet	\$4 00	20 feet.....	\$5 60
6 “	1 50	11 “	2 80	16 “	4 30	21 “	6 00
7 “	1 75	12 “	3 10	17 “	4 60	22 “	6 40
8 “	2 00	13 “	3 40	18 “	4 90	23 “	6 90
9 “	2 25	14 “	3 70	19 “	5 25	24 “	7 50

STEP LADDERS.

Less Forty Per Cent. from following Prices:

Length.	Price.	Length.	Price.	Length.	Price.
4 feet.....	\$3 00	6 feet.....	\$4 00	8 feet.....	\$5 00
5 feet.....	3 50	7 feet.....	4 50	9 feet.....	5 50
		10 feet....	\$6 00		

We also carry a first-class step ladder, which we sell at 15 cts. per foot, net.

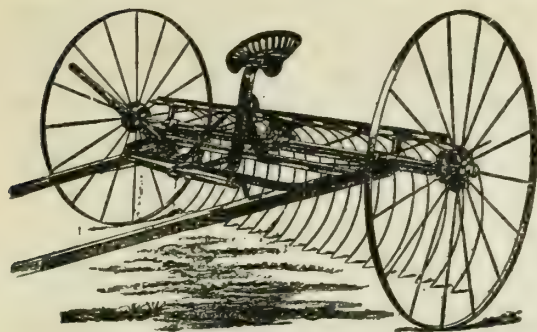
EXTENSION LADDERS.

Less Thirty-five Per Cent. from the following prices.

Each.	Two Ladders.	Extended.	Length.	Price.	Each.	Two Ladders.	Extended.	Length.	Price.
10 feet.....		17 feet		\$ 7 40	18 feet.....		33 feet.....		\$14 40
11 “		19 “		8 15	19 “		35 “		15 20
12 “		21 “		8 90	20 “		37 “		16 00
13 “		23 “		9 60	21 “		39 “		17 20
14 “		25 “		10 40	22 “		41 “		18 50
15 “		27 “		11 20	23 “		43 “		19 80
16 “		29 “		12 20	24 “		45 “		21 20
17 “		31 “		13 60					

BALTIMORE SELF-DUMP RAKE

MADE IN EITHER WOOD OR STEEL.



THE WOOD RAKE has a solid iron axle, 1½ inches round iron, extending from wheel to wheel. The ratchets are in the hub and discharges its load by the onward movement of the horse. The Baltimore disengages noiselessly without jar or strain. We claim for it greater strength because the parts are united securely to the iron axle and the wood rake-head. It dumps from *both* wheels, but can be discharged by either one singly at will.

The Steel Rake differs from the wood only in point of material used in its construction, the running gear and frame being entirely of steel.

—PRICES:—

Baltimore Self-Dump Rake, Wood.....	\$20.00	} Less \$1.00 each for cash.
Steel.....	21.00	

BALTIMORE HAND-DUMP RAKE,

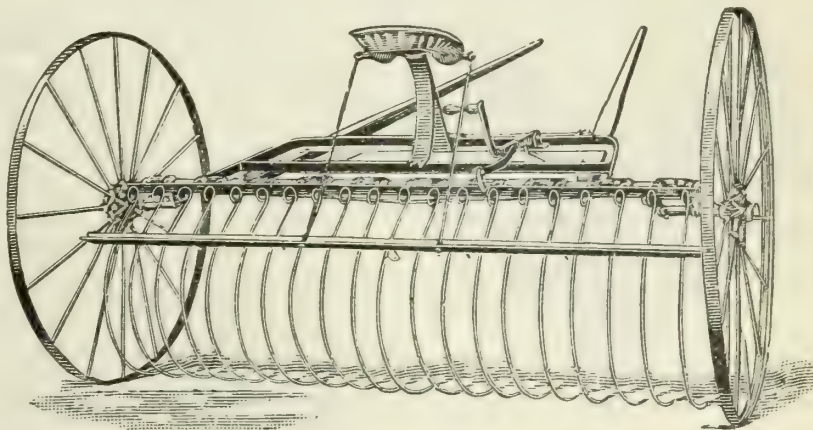
Made in either Wood or Steel.

THIS Rake is made of thoroughly seasoned hard wood. The axle arms are 1½-inch round iron, securely bolted to the wood axle head. It has 20 teeth of spring steel, same as above. Every tooth independent. The seat is adjustable and can be raised or lowered for man or boy.

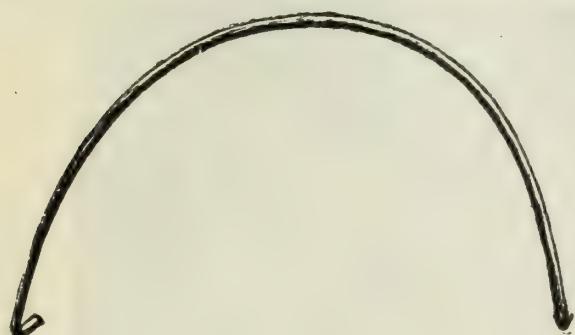
The Steel Hand-Dump Rake is similar in all respects, excepting in material used.

—PRICES:—

Baltimore Hand-Dump Rake, Wood.....	\$17.00
Steel.....	18.00
Less \$1.00 each for cash.	



THOMAS' HAY RAKE.....	\$20.00	THOMAS' ROYAL SELF-DUMP RAKE.....	\$20.00
THOMAS' IMPERIAL RAKE		\$18.00	



HAY RAKE TEETH.

FOR all leading Hay Rakes, including Baltimore, Thomas, Gazelle, Tiger, Taylor, Dayton, Red Bird, etc. Plain and with coil. When ordering always be very careful to state whether you want plain or coil teeth, right or left hand, and if there are several different styles of teeth used on the same make of rake, it is the best plan to send a drawing, giving as near as possible the exact curve of old tooth.

PRICE, 30 CENTS EACH.

Baltimore Hay Tedders.

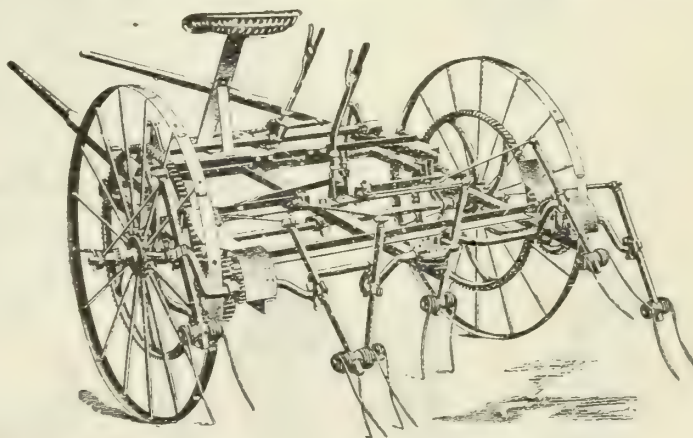
THIS is a fac-simile to our Baltimore Rake in point of construction and substantiability.

Combination shafts and tongue; without side fork and shields over gearing.

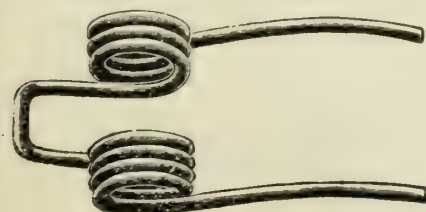
The Baltimore has new bent shifting lever which makes a complete lock. Also is provided with a most comfortable spring seat, levers for *raising* and *lowering*, and throwing *in or out of gear*, within *easy reach of the driver*. Combined pole and shafts, quickly and easily changed from a one to a two-horse machine.

—PRICES:—

Baltimore Tedder, Wood.....	\$28.00
Steel	30.00
Less \$2.00 each for cash.	



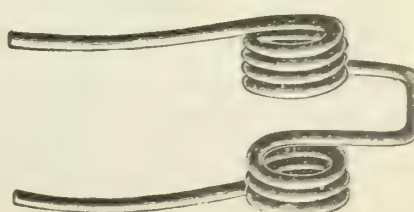
THOMAS' HAY TEDDER....	\$32.50	THOMAS' IMPERIAL HAY TEDDER.....	\$30.00
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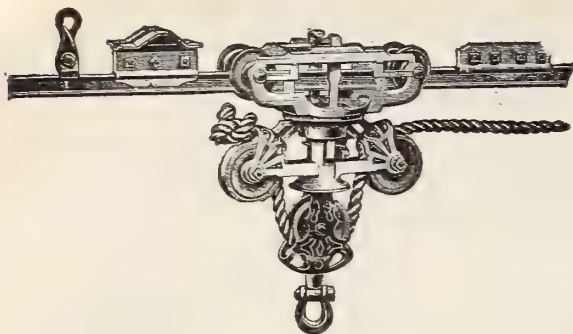
Hay Tedder Forks.

Always on hand stock of Forks for leading styles of Hay Tedders, including Baltimore, O. R. C., Thomas, Bullard, Tiger, &c.

PRICE.....30 cts.



ALL KINDS OF MACHINERY REPAIRED.

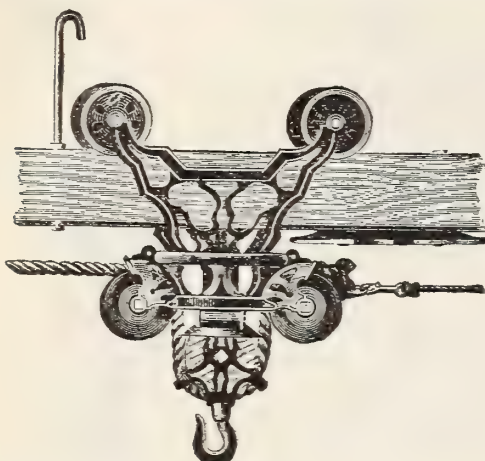


THE HAYMAKER CARRIER FOR STEEL TRACK.

This Carrier is known as a combination machine or a swivel and reversible both in one. It is constructed with straight flanged wheels, *bored on lathe*, so as to run true, which revolve on a $\frac{3}{4}$ inch turned steel axle. It has a POSITIVE FORCE LOCK with no springs. Stop is clamped to TOP OF TRACK. Hanging Hook is malleable iron composed of two parts. THE TRACK is solid steel. I-beam, $2\frac{1}{8}$ inches wide by $1\frac{1}{4}$ inches deep.

Price.....\$5.00

G. & T. Combination Reversible Carrier.



This Carrier is a straight reversible, having all the valuable features of our Double Lock. The new feature in this Carrier is that the two rope pulleys are hung on a turn-table, which adds to this Carrier all the advantages found in a Swivel Carrier. It is made entirely of malleable iron and is braced in such a way as to make it particu-

larly strong.

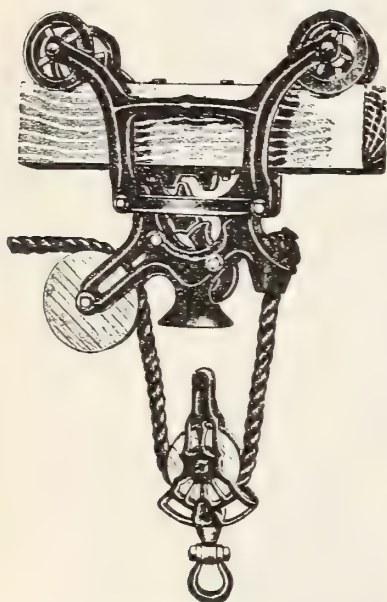
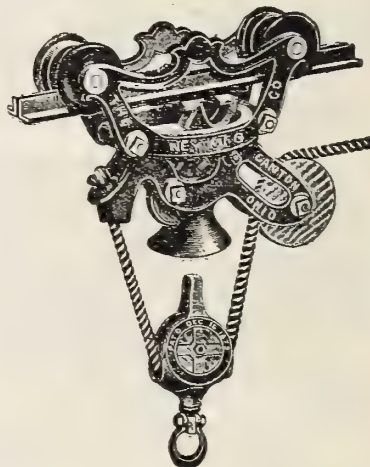
Price.....\$4.00.

Ney's Patent Improved Swivel Reversible Hay Carrier.

For Double Angle Steel Track.

This Carrier possesses the following advantages: It will not pass the bumper or trip block while in operation. The lock is positive and cannot fail to work perfectly. It is entirely independent of the rope, automatic in its movements, and has neither springs, clutches nor lugs to break, wear out or get out of order. Track travelers and rope pulleys revolve on turned iron bushing.

Price.....\$5.00



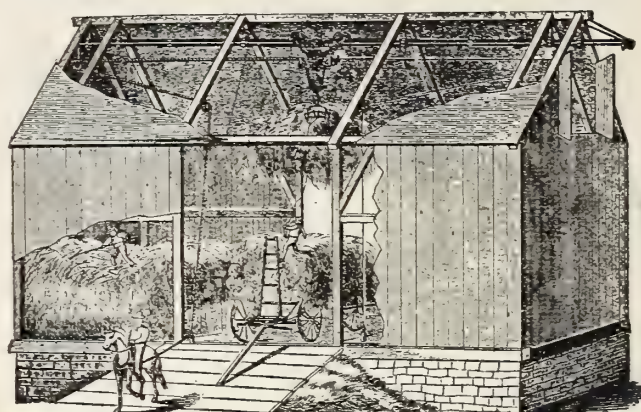
Ney's Patent Wood Track Carrier.

This cut shows the Swivel Reversible Carrier for Wood Track. In construction it is the same as the steel track car (reverses the same way), except that it is made to run on 4x4 wood track.

Price....\$4.00.

Write for special discount from these prices.

Steel Track Hay Car In Use.



PRICE OF TRACK FOR STEEL CARRIER, PER FOOT, 12½ CENTS.

HAY TOOL SUPPLIES.

Fig. 5



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 6



Fig. 7



Fig. 8



Fig. 9.

Price—Fig. 1—Double Harpoon Hay Fork.....	\$1 00
" 2—Hanging Hook	08
" 3—Patent Rope Hitch.....	20
" 4—Floor Hook	08
" 5—Rafter Bracket.....	08

Price—Fig. 6—Rafter Grapples.. ..	\$ 60
" 7—Maple Sheave Pulley.....	25
" 8—Iron Strapped Pulley.....	30
" 9—Malleable Frame Knot Passing Pulley	30

Write for special discount from these prices.

REPAIRING LAWN MOWERS A SPECIALTY.

CYCLONE CORN SHELLER.

HAVING felt the need of a more perfect and effective Sheller than had ever been introduced, and in order that the many who are desirous of purchasing a machine can have one which will be satisfactory and can be relied upon, we now offer

THE CYCLONE.

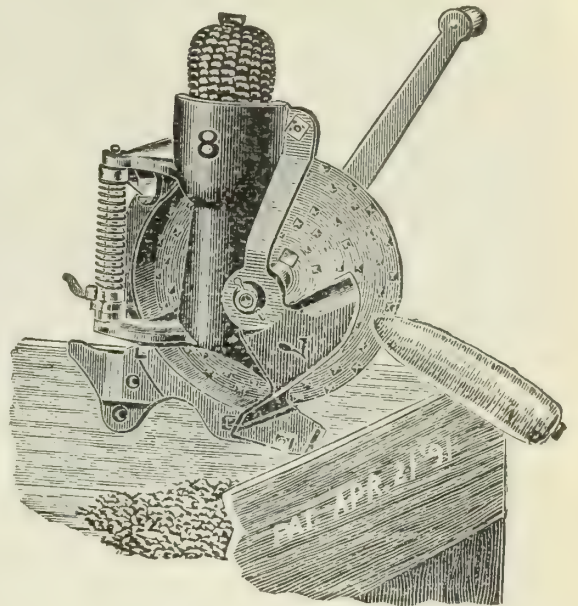
which we are sure will meet all requirements, in which the manufacturers have succeeded in overcoming the frequent clogging and choking, which is the constant objection to all other machines in the market, and have now a machine which will please the trade.

The factory has been very particular to make every part strong enough to stand all strains that it would be likely to have, but if by some misuse any part should be broken it can easily be repaired at a slight expense, as all parts are made in duplicate and kept in stock.

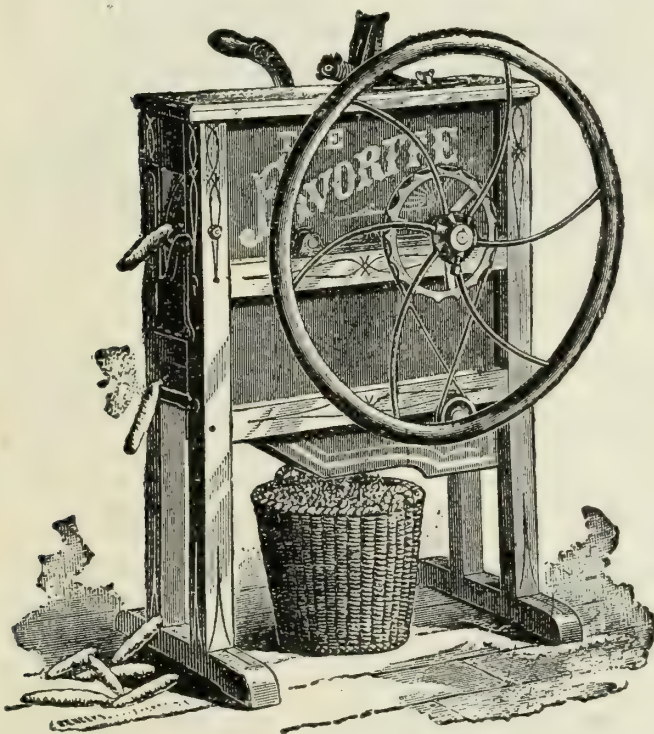
We wish also to call attention to the manner in which the tension of the spring is adjusted. It is simple and can easily be adjusted to any size ears desired. Every farmer should have one, as they are the best and cheapest machines offered to the public.

SEVERAL REASONS WHY YOU SHOULD HAVE ONE.

- 1st. It is cheap, simple and effective.
- 2d. It is fully warranted against breaking or getting out of order by any fair usage.
- 3d. It takes less power to do the same amount of work than any other machine of its size ever made.
- 4th. All the tools that are required to adjust the machine is a small wrench.
- 5th. It has no small springs or small parts to break loose or get out of order.
- 6th. There is no time lost after you are through shelling by picking the cobs out of the shelled corn, as the machine takes the corn all off the cob, drops the corn in the box or basket, takes the cob on around and throws it off at the side.
- 7th. By a little practice with it you can easily shell one bushel of ears in about 4 minutes or less. The Sheller is small, but will do the work of many a larger machine.
- 8th. The spring can be adjusted to any tension required. *A Sheller Wrench accompanies every machine.*



PRICE, \$3.00.



Farmers' Favorite Single Spout Corn Sheller.

DESCRIPTION.—The frame is of seasoned hard wood, mortised and pinned together, perfectly true to a square so that all parts work smoothly. The gears are all inside and no danger to any one because of outside gearings. The shafts are all lathe turned and the gearing of the best wrought and gray iron. It has a steel spring adjuster in the hopper and is easily adjusted to large or small ears of corn. It has a large balance wheel with wrought iron spokes, weighing 35 pounds, is easy to run and shells the cob clean. It separates the corn and cobs and with the fan will clean for market or grinding. The corn is discharged beneath the sheller, the cobs at the end. It is well made, nicely painted, striped and varnished. Warranted first-class in every respect.

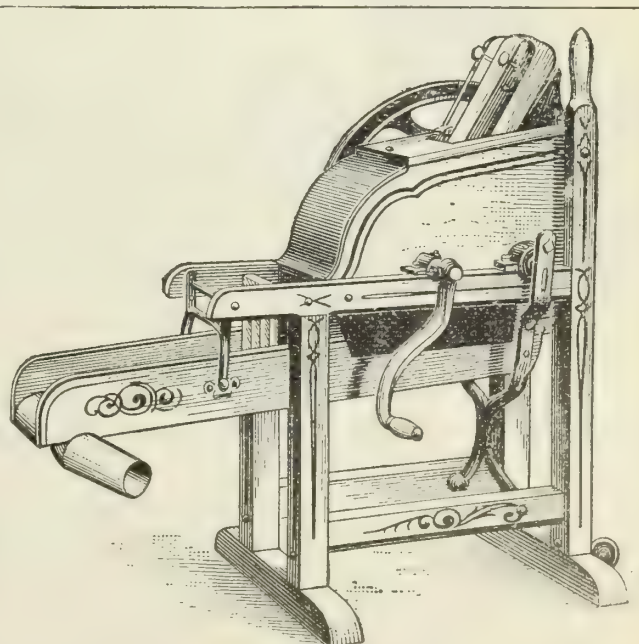
Plain Sheller	\$7 00
Sheller, with Fan	8 00
FF No. 2 Sheller, plain	6 00
FF No. 2 Sheller, with Fan	6 50
FF No. 3 Sheller, with Separator	5 50
FF No. 4 Sheller, plain, discharges corn and cob together.	5 00

Farmers' Favorite DOUBLE SPOUT SHELLER.

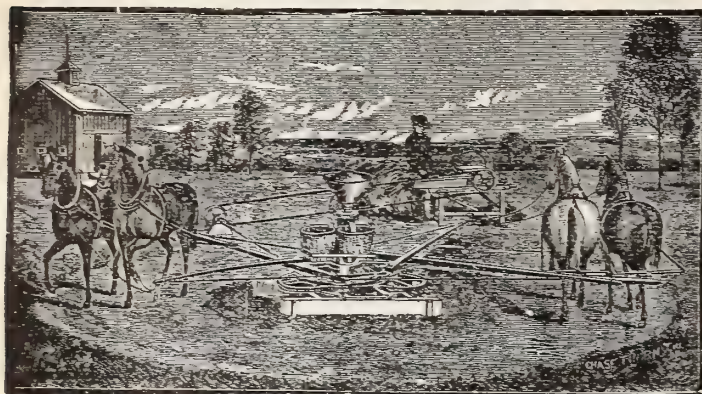
STEEL SHAFTS, heavy fly wheel. Fly wheel shafts should run 240 revolutions per minute. Capacity by power, 500 to 600 bushels per day; capacity by hand, 200 bushels per day.

Price, with Shaker..... \$16 00

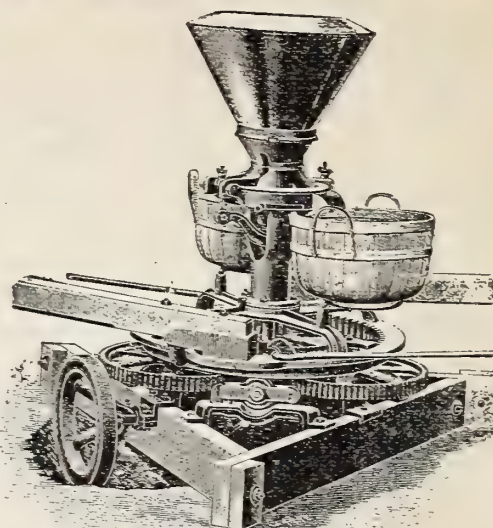
Price, without Shaker..... 15 00



Double-Action Tripple-Geared Mill *and* Power Combined.



BOTH PLATES
REVOLVE,
ONE IN OPPO-
SITE
DIRECTION
FROM
THE OTHER.



FOR grinding corn and cob or shelled grain. Can also be used as a separate horse power for running other machinery. The combination of Feed Mill and a Horse Power in one makes a great reduction in cost, and yet furnishes a light running machine.

Something Entirely New. The sweeps or levers are attached to a large internal geared master wheel, into the teeth of which three strong pinions mesh and through these pinions motion is imparted to the three large gear wheels, the teeth of which engage a heavy, strong pinion on one end of the shaft, which carries one of the grinding plates; the other resting in a casting is attached to the master wheel and makes one revolution with each round of the horses while the other makes thirty, in a **contrary direction**, in consequence, we get greater speed without increase of power and *greater* capacity. The utmost care is taken to insure the least possible draft.

Two levers or tongues are furnished so two, three or even four horses can be used. We also furnish two baskets with each mill, which set on rests as shown. A cut-off is used to change the discharge to the empty basket, avoiding the necessity of stopping the team; no loss of time or waste of feed.

Capacity of mill on small grain, 12 to 18 bushels per hour; ear corn, 10 to 15 bushels.

Write for special descriptive catalogue.

Price of Mill and Power, complete, with two Levers.....	\$65 00
“ “ complete, with two Levers, but without Tumbling Rod Attachment.....	60 00
“ Single Acting Mill.....	60 00

An allowance of \$5.00 for cash on either above machines.

TESTIMONIAL.

MARYLAND AGRICULTURAL COLLEGE,
OFFICE OF THE PRESIDENT,

COLLEGE PARK P. O., MARYLAND, November 25th, 1896.

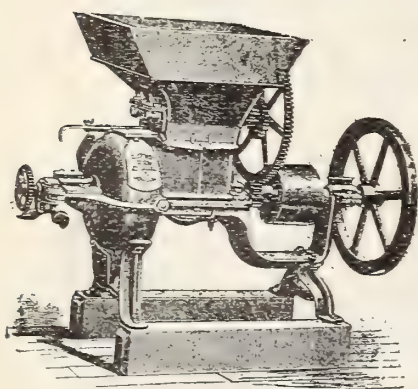
GRIFFITH & TURNER Co., Baltimore, Md.

Gentlemen:—I can now say that the mill has been tested and has given us every satisfaction. I regard it as fully filling every guarantee that you gave for it.

Very truly yours,

R. W. SILVESTER, *President.*

The Scientific Corn and Cob Mills. Style L, No. 1.



HAS Double Breakers, with partition Hopper, Pin Breaker and Safety Bottom. It grinds ear corn with or without shucks on, shelled corn, oats, rye, barley, cheat screenings, or any kind of small grain separately, or any two or more mixed, for feed.

DIMENSIONS AND WEIGHT.—4 feet 2 inches long, 2 feet 3 inches wide, and 3 feet 2 inches high. Weight of mill, 560 pounds; weight of fly wheel, 55 pounds.

SHAFT.—1½ inch; cold rolled steel.

GRINDING PLATES.—12 inches in diameter, of extremely hard metal and very durable. Are reversible and self-sharpening, having double the capacity of non-reversible plates. Price of extra plates, \$4.00.

POWER.—8 to 12 horses to sweep power, 6 to 10 horse steam power.

PULLEY.—8 inches in diameter, 6½ inch face, but can furnish larger, if desired, without extra charge.

SPEED.—1,000 to 1,200 revolutions per minute for steam power; 800 to 1,000 revolutions per minute for horse power.

CAPACITY.—Ear corn with shucks on, 10 to 20 bushels per hour; with shucks off 15 to 30 bushels.

If corn is new, wet or frozen, the work can be done equally as well, but not so fast. Shelled corn 25 to 40 bushels per hour. All other small grains separately, or corn and oats or other grains mixed, 15 to 30 bushels per hour. PRICE..... \$65.00

Write for Mill Catalogue. Prices on Power Mills subject to special discount.

REPAIRING LAWN MOWERS A SPECIALTY.

THE SCIENTIFIC SWEEP FEED MILL.

GRINDS ear corn, new, dry or damp, but not with shucks on; shelled corn, alone or mixed with other grain, for chopped feed, oats, etc., and is so arranged that the interior parts of the Mill revolve with the revolutions of the team and the power is applied directly to the grinding parts, thereby making the draft very light.

It is extremely simple, having no cog gearing or complicated machinery to get out of order.

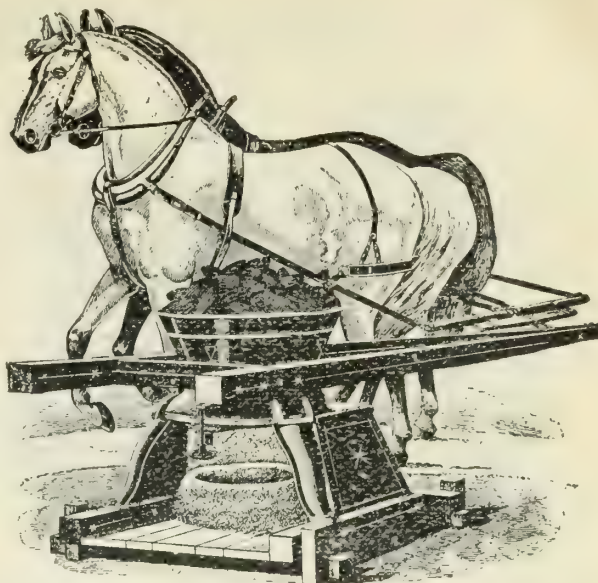
Our Grinding Rings or Burrs have a peculiar dress by means of which the broken pieces of cobs and whole grains are gradually reduced to the fineness desired. This breaking device, in connection with grinding rings, enable it to grind new ear corn just husked from the shock, as well as damp or wet corn.

The lower part of mill is enclosed, making a large box for feed which is discharged all around the plates and can be shoveled out at leisure. Weight of mill, 625 pounds.

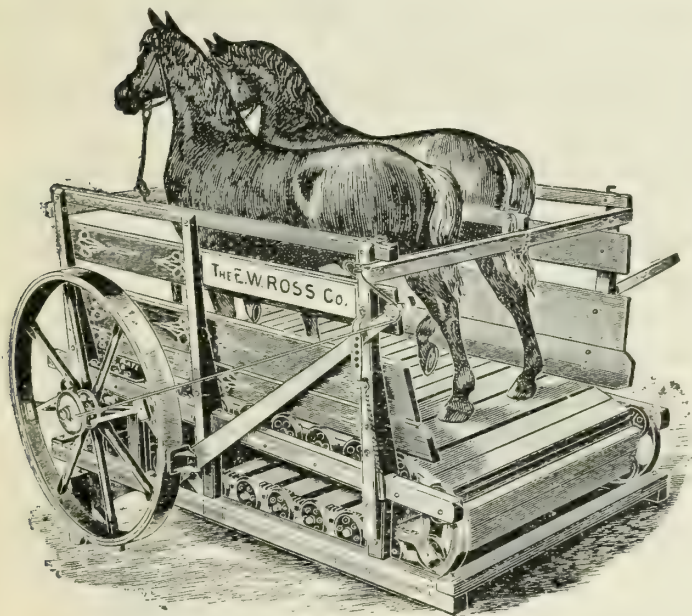
Retail Price. List Price.

Price of Mill complete, with Platform and one set of Plates.....\$25.00 \$36.00

Capacity, 8 to 15 bushels per hour, according to quality of work.



ROSS ONE AND TWO-HORSE TREAD POWERS.



THESE Powers are constructed of heavy seasoned maple lags, strong and heavy frame of seasoned timber with a center track on the Two-Horse to support the lags from springing. Every part well bolted and braced. The incline Tread is wholly used, as we look upon it as more natural for a horse to walk on an incline than up stairs. The Power is made single geared, using a strong, heavy pair of spur gears, with this sufficient power is obtained for driving most kinds of machinery. The balance or belt wheel is 54 inches in diameter, 6-inch face. Power is provided with brake and brake arm, and should always be used with a governor. We are furnishing this year a new Governor which works independently of the band wheel and is a perfect regulator, there being no possible danger of its flying off, or if by carelessness the band wheel should come off the Governor would act and control the Power. Our One-Horse Tread Power is made exactly like our Two-Horse in every detail, with the exception of the center track. We give below the following sizes and dimensions of our Tread Powers, also weights.

Weight of 1-horse Power, 1,375 lbs, Weight of 2-horse Power, 1,900 lbs.

Dimensions set up, 1-horse: 6 ft. 4 in. high, front; 4 ft. 6 in. high, rear; 9 ft. 6 in. long; 2 ft. 10 in. wide.

Dimensions set up, 2 horse: 6 ft. 4 in. high, front; 4 ft. 6 in. high, rear; 9 ft. 6 in. long; 5 ft. 2 in. wide.

Dimensions, K. D., 1-horse: 1 ft. 4 in. high, rear; 2 ft. high front; 9 ft. 6 in. long; 2 ft. 10 in. wide.

Dimensions, K. D., 2-horse: 1 ft. 4 in. high, rear; 2 ft. high front; 9 ft. 6 in. long; 5 ft. 2 in. wide.

List Price. Retail Price.

One-Horse Tread with Brake.....	\$130 00	\$ 91 00
Two-Horse Tread with Brake.....	150 00	105 00
New Governor, extra.....	10 00	7 00
Two-wheel Trucks for Two-Horse Power.....	40 00	28 00
Four-wheel Trucks for Two-Horse Power.....	75 00	52 50

Prices for Trucks include neck yoke, whiffle trees and pole.

TRIPLE-GEARED TWO-HORSE SWEEP POWERS.

THE Two-Horse Sweep is made with master wheel held in place by bridge tree and the driven pinions. The 3 pinions, running in the master wheel, drive 3 larger gears. These 3 gears center on a small pinion on a shaft that is held in place by the bridge tree, this pinion and bridge tree forming an oil chamber, making it without friction, and from the lower end of this shaft we drive the tumbling rod by a bevel gear, running into a small bevel pinion. This bevel pinion running on a short shaft held in place by a heavy pipe box and on the end of this shaft the necessary coupling joints to connect with the tumbling rod proper. We can furnish with these Powers 15, 18, 20, 24 and 30 inch pulleys. Two-horse Sweep has 2 sweeps and 2 lead rods and 3/4 inch draw rods. Speed of tumbling rod on two-horse Power, per minute, 175 revolutions. Weight, 600 lbs.

List Price, \$50.00. Retail Price, \$35.00.

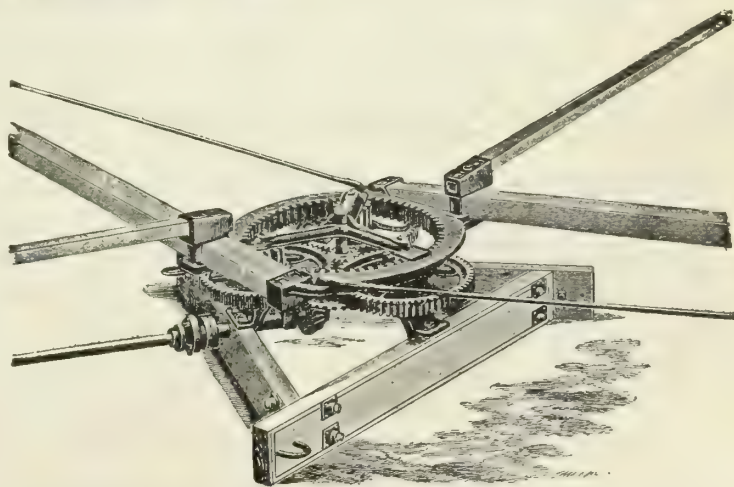
The Four Horse Power is made like the six-horse Sweep, only lighter, and having 2 sweeps and 2 lead rods instead of 3.

For full details of Four-Horse, see Six-horse. Speed of tumbling rod 175 revolutions per minute. Weight, 1000 lbs.

List Price.....\$65.00. Retail Price.....\$45.50.

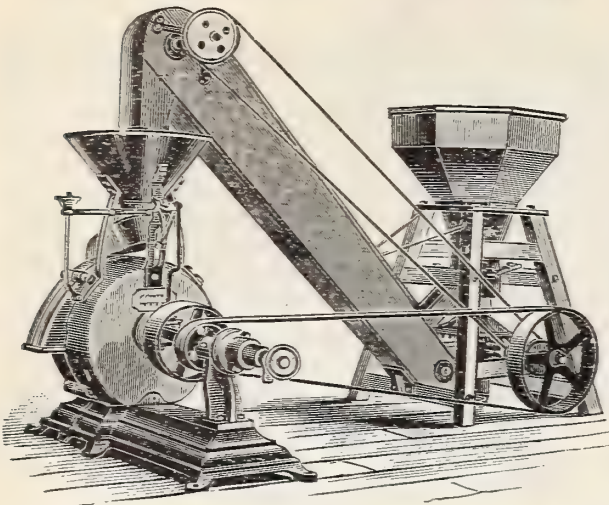
On the Six-Horse we have a new device in the way of steadying the master wheel by a center circle, giving the inside of the master wheel a perfect bearing from a hollow center which revolves on a sleeve or collar of the circle. The 6-horse Sweep is made in other details the same as the 2-horse, having the same size tumbling rod and coupling. Speed of tumbling rod per minute, 175 revolutions. Pulley, 15, 18, 20, 24 and 30 inch. This Power is made with 3 sweeps and 3 lead rods with heavy draw rods and strong enough for 6 heavy horses. Weight, 1,350 lbs.

List Price.....\$80.00. Retail Price.....\$56.00.



Spur and Bevel Gear Sweep Power Jacks.—For 2, 4 or 6 H. P. Sweeps, for speeding machinery. Weight, 100 lbs. Retail, either kind, \$10.50. List, either kind, \$15.00.

The Waldron & Sprout Vertical French Burr Mill.



SPECIAL 12-INCH MILL FOR LIGHT POWER.

DIMENSIONS.—Extreme length, 36 inches; width, 19 inches; height, 34 inches: base occupies floor space, 17 x 17 inches; driving pulley, 8 inches diameter, 5 inches face. Speed, 800 to 1,200 revolutions per minute. The burrs in this mill are each 12 inches in diameter, carefully tested and tried. The runner is attached to the spindle by a divided tapered sleeve and nut. The grinding capacity is from 5 to 15 bushels an hour.

It is furnished with ball bearings, and the shells are rabbeted, turned and bored. It is well built and designed for farm use. Weight, 400 pounds.

Above cut shows Mill and Crusher combined.

Retail, f. o. b. factory, \$40.50; f. o. b. Baltimore, \$43.30. List, \$75.00.

12-INCH. MILL.—Dimensions: Length over all, 56 inches; width, 22 inches; height, 31 inches; pulley, 8 inches in diameter, 5-inch face, covered with leather; weight, 430 pounds; should be run 1,000 to 1,200 revolutions per minute; capacity 5 to 15 bushels per hour, according to fineness of meal or feed and power used; 6 to 8 horse-power engine. Retail, f. o. b. factory, \$54.00; f. o. b. Baltimore, \$57.75. List, \$100.00.

16-INCH. MILL.—Length over all, 64 inches; width, 24 inches; height, 36 inches; floor space, 22 x 45 inches; pulley, 10 inches in diameter, 6-inch face, covered with leather; weight, 800 pounds; should be run 1,000 revolutions per minute; grinding capacity 10 to 30 bushels per hour; 8 to 12 horse-power. Retail, f. o. b. factory, \$86.40; f. o. b. Baltimore, \$92.50. List, \$160.00.

20-INCH. MILL.—Requires 10 to 15 horse-power engine; grinding capacity 15 to 60 bushels per hour. Retail, f. o. b. factory, \$108.00; f. o. b. Baltimore, \$115.00. List, \$200.00.

24-INCH. MILL.—Requires 15 to 25 horse-power engine; grinding capacity 15 to 75 bushels per hour. Retail, f. o. b. factory, \$148.00; f. o. b. Baltimore, \$158.75. List, \$275.00.

30-INCH. MILL.—Requires 20 to 30 horse-power engine; grinding capacity 25 to 100 bushels per hour. Retail, f. o. b. factory, \$204.75; f. o. b. Baltimore, \$218.75. List, \$325.00.

Write for special prices on Mill and Crusher combined.

IMPROVED CRUSHERS—Two Sizes—for above.

No. 1 will crush 20 to 35 bushels of corn on the ear per hour; weight, 350 pounds; pulley, 16 inches diameter, 4-inch face; should be run 300 to 400 revolutions per minute; 2 horse-power. Retail, f. o. b. factory, \$24.00; f. o. b. Baltimore, \$25.75. List, \$40.00.

No. 2 will crush 60 to 90 bushels of corn on the ear per hour; weight, 500 pounds; pulley, 20 inches diameter, 4-inch face; should be run 200 to 300 revolutions per minute; 3 horse-power. Retail, f. o. b. factory, \$36.00; f. o. b. Baltimore, \$38.50. List, \$60.00.

Elevator attachments to connect mill and crusher, Retail, \$3.00. List, \$5.00.

Buckeye Steam Power Corn and Cob Mill.

THIS mill is all iron and steel; the weather has no effect on it. It is adapted to steam power; 6 to 10 horse-power will run it.

It will grind corn and cob, shelled corn and oats (mixed or separate), screenings, wheat, barley, rye, oil cake, peas and beans. With a 6 horse-power engine it will grind from 15 to 20 bushels of chop, and with a 10 horse-power it will grind from 30 to 40 bushels of chop per hour from dry grain.

We furnish two sets of burrs with the Buckeye Mills, and a new set only costs \$1.50, and can be put in in a few minutes.

Price of Mill with two sets of Burrs, \$50.00; less \$5.00 for cash.

DIRECTIONS FOR OPERATING THE BUCKEYE STEAM POWER MILL.

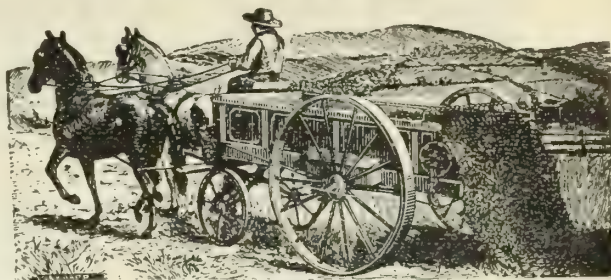
Speed of Mill.—Run the pulley shaft 600 to 800 revolutions per minute for corn in the ear; 800 to 900 revolutions per minute on shelled or small grain.

How to use Burrs.—The burrs in the mill are for ear corn and doing ordinary grinding. For fine grinding use the burrs that are sent with the mill as extras.



KEMP MANURE SPREADER.

As a Labor and Material Saver this is one of the most economical implements used on a farm. It will spread just the quantity desired and do it evenly, covering every square inch with finely pulverized manure in one-tenth the time required with shovels and forks. Drill attachment can be changed to lime hood, by removing the shuts and adding the lime board.

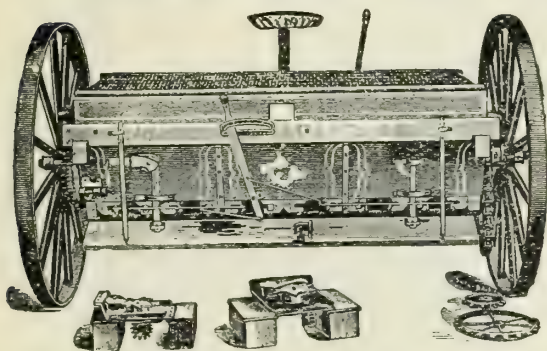


Size, No. 1 on 4 wheels, capacity 30 bushels, Round Beater.....	\$110 00
" No. 1 " " " 35 " Belt "	115 00
" No. 2 " " " 40 " Round "	120 00
" No. 2 " " " 45 " Belt "	125 00
" No. 3 " " " 50 " Round "	130 00
" No. 3 " " " 60 " Belt "	135 00
" No. 1 on 3 " " " 35 " Belt "	120 00
Complete, with drill attachment, hood and slow feed }	8 00
Drill attachment, for leaving manure in rows, extra. }	
Wind brake, or lime hood, for windy weather, extra.....	5 00
Brake, or lock, for hilly sections, extra.....	5 00
Three-horse evener, extra....	5 00
Slow feed for lime, ashes, etc.. extra.....	1 50
Lugs, used in frosty weather, per set of 28.....	2 25

Whiffletrees, neck yoke and two-horse evener furnished free.

Size No. 2 comes nearer to general wants than any other. Special discount from these prices.

THE BALTIMORE LIME AND ASH SPREADER.

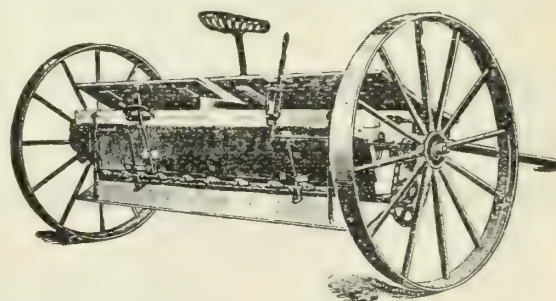


This is is a strong and substantial machine, with spreading capacity of from 15 to 80 bushels to the acre. The quantity can be regulated at the will of the operator. The wheels are 4½ feet high. It has six feed and will spread 7½ feet wide. The box or hopper is fitted with a powerful agitator, which breaks any arch formed by lime, ash or commercial fertilizer. The lime is fed out on a distributing board or shaker, which can be set at different elevations, and this, in vibrating, distributes the lime evenly and regularly. Lime is not easily, nor is it evenly, spread by hand, particularly in small quantities.

After lime has been hauled into the field, placed in large piles and slaked, it is ready to spread. Any boy strong enough to fill the hopper can operate the machine. The lime falls but a few inches, thus avoiding dust to either driver or horses. If the wind is very strong an apron can be tacked, if desired, in front of the hopper. Ordinary lumps going through the attachment sieve will not interfere with the sowing. We also furnish an extra cap and large wheel, whereby fertilizers of every description, and plaster, can be sown in quantities as low as 300 pounds per acre, and if coarse 250 pounds per acre. Hopper holds 18 bushels slacked lime. Price, \$75.00. Special price for cash.

THE BALTIMORE BROADCAST FERTILIZER DISTRIBUTOR.

This machine has more points of real merit than any other Broadcaster on the market. It will sow perfectly all kinds of chemical fertilizer, including kainit and plaster, also hen manure, sheep-pen scrapings, etc.; a Patent Positive Force Feed that never fails, but crushes lumps and sows damp fertilizers as evenly as dry; a *strong* and *effective* agitator, which prevents arching. The machine is operated by a heavy chain gear, and the distributor may be thrown in and out of gear *while in motion*, and the *quantity may be changed by the driver without leaving the seat*. The hopper is low, making it very convenient to fill. These machines are made in three sizes, sowing in width 7 feet 9 inches, 6 feet 3 inches, and 4 feet 10 inches. The large size is for two horses, the others for one horse, and furnished with shafts. It will sow from 1500 to 3000 pounds per acre, and from these quantities down to as light a drawing as may be desired. They are warranted to run lighter and sow *perfectly* a greater variety of fertilizers than any in the market.

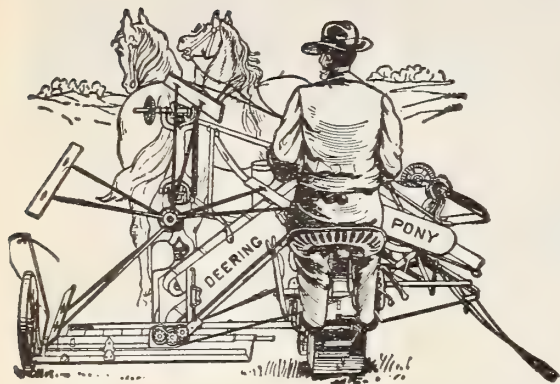


Two-horse Broadcaster, sowing 7 feet 9 inches wide.....\$62 00
 No. 1, One-horse " " 6 " 3 " " 53 00
 No. 2, " " " " 4 " 10 " " 43 00

Special price for cash.

Deering Harvesting Machines

WITH ROLLER AND BALL BEARINGS.



DEERING PONY BINDER.

"The Lightest Draft Binder on Earth."

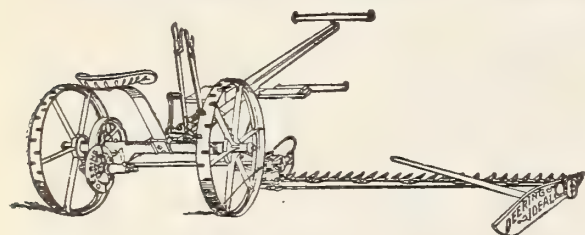
Roller and Ball Bearings; Elevator Extension for very long grain; unequaled One-lever Reel that picks up down grain, Binder Attachment and Knotter that forms the neatest bundles with the least twine; Jointed Platform that does away with the truck nuisance and makes transportation easy. The Pony Binder is thoroughly well made, from the best material, and will be merrily cutting grain when other machines are on the scrap-pile.

DEERING IMPROVED STEEL BINDER with Roller and Ball Bearings,

for 1896 and future years. Jointed Platform; One-lever Reel; Twine-saving Knotter; Broad Elevators and Binder Deck. This machine is known and appreciated wherever grain is grown.



DEERING IDEAL MOWER, with Roller and Ball Bearings.



Draws one-third lighter than any other mower made. Serrated Ledger-plates hold up stubborn grasses and compel them to be cut. The only mower that can be driven at a slow walk in heavy grass and the only one that can be started in any crop without backing. New Foot-lift and Lifting Spring for 1896. All widths of cut—3½ and 4 feet, One-Horse; 4½ and 5 feet, Ideal, 6 and 7 feet, Ideal Giant.

THE NEW DEERING MOWER, 4½ and 5 Ft. Cut.

Outside of our Ideal Mowers, the New Deering is the lightest draft mower made, having made an average draft record of 110 pounds for the 5-foot machine at the World's Fair field trials, as against 152 pounds for the lightest competing machine of the same width. It has the Deering adjustable drag bar, which adds years of life to the machine.

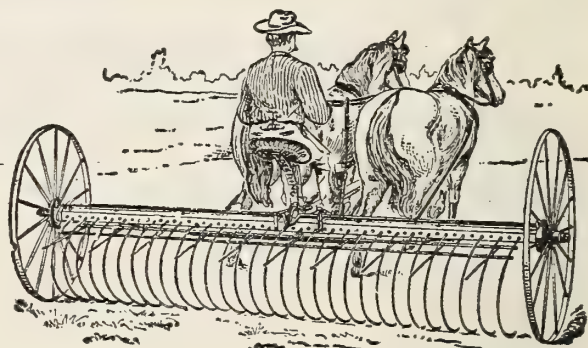
DEERING HAY RAKES,

Hand and Foot-dump. All steel, with steel or wood wheels, as desired. Combined pole and shafts; 8½, 10½ and 12-foot widths in both hand and foot dump.

DEERING IDEAL REAPER. A good implement.

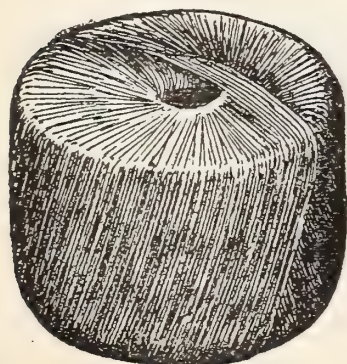
DEERING HARVESTER OIL keeps the bearings cool.

DEERING BINDER TWINE—is honest in quality, length, strength and twist.



SEND FOR
CATALOGUE,

"Roller and Ball Bearings on the Farm."



BINDER TWINE.

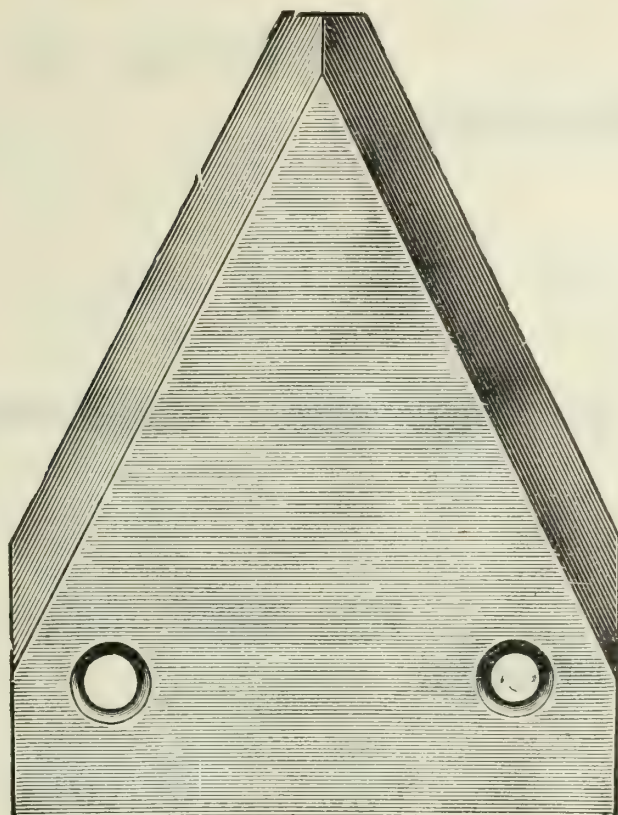
As mentioned elsewhere in this Catalogue, we carry a very large stock of the best twine of every kind at lowest figures, which we can supply in any quantity desired. Prices furnished on application.

ALL KINDS OF MACHINERY REPAIRED.

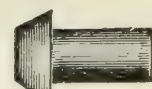
AGENTS wanted for the sale of these goods throughout
MARYLAND, DELAWARE, VIRGINIA, WEST VIR-
GINIA, PENNSYLVANIA and the SOUTH.



GUARD.



KNIFE SECTION.



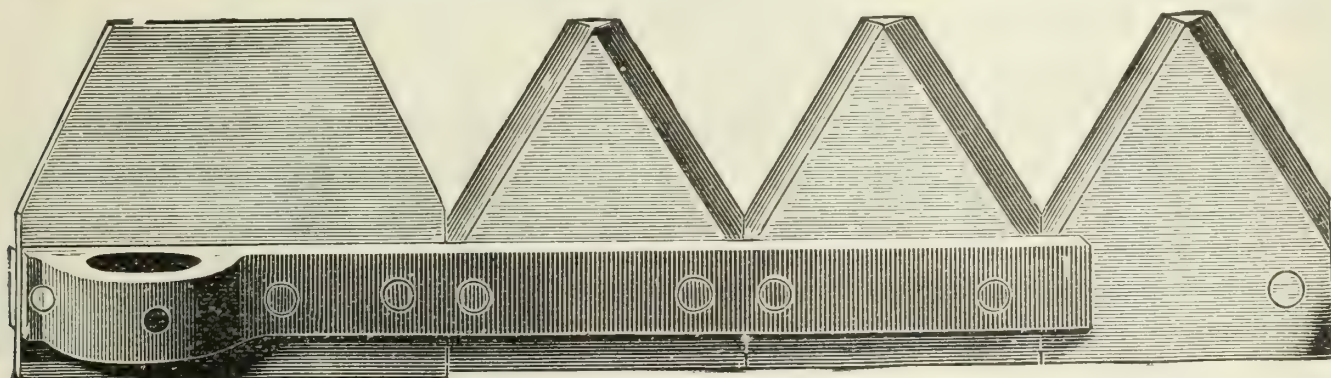
RIVETS.



KNIFE HEAD.



PUNCH.



SECTIONS AND KNIFE HEAD.

BEST GOODS AT LOW PRICES.

WE ARE GENERAL AGENTS FOR A FULL LINE OF

Knives, Section Guards,
Rivets, Knife Heads, Cutters,
Steel Punches, Cold Chisels, &c.



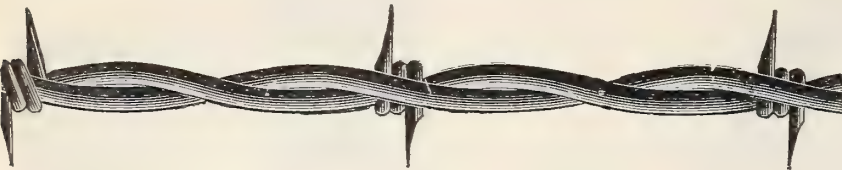
For all the Leading Mowers, Reapers and Binders on the market.

In ordering above Repairs ALWAYS BRING or SEND the PART YOU WISH
DUPLICATED, or a DRAWING, also ALWAYS give the NAME of MACHINE and
NUMBER of PART. Write us for prices and terms.

WE REPAIR ALL KINDS OF MACHINERY.

WAUKEGAN BARB WIRE.

The points of superiority of this wire are *lightness*, weighing *less to the rod* than any other; *great strength*, which is accomplished by using a half round wire which clasps the main strand as if *welded* to the same, while the flat projecting points receiving a half turn before they are sharpened include the strength of full-sized round wires.



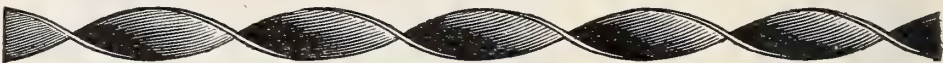
WAUKEGAN TWO POINT THICK-SET.

Barbs 3 inches apart. Measuring 18.20 feet to 1 lb. Affording the purchaser 10 3-10' rods or 170 feet more per 100 lbs. than any other Barbed Wire made.

Plain Ribbon Wire Fencing without Barbs.

Galvanized Flat Twisted Fencing, ½ inch Wide. Put up on 50 and 100 Lb. Spools.

The great strength obtained by the size of the wire and method of construction makes it capable of wonderful resistance. The fence can be plainly seen at a distance, and with the elasticity imparted by the twist no sagging can occur if constructed properly. Special square-top staples and clasps for splicing furnished at lowest prices.



PLAIN TWISTED TWO STRAND WIRE FENCING.

Light, strong, durable, cheap. Used largely for lawns and home enclosures.



The Townsend Wire Stretcher.

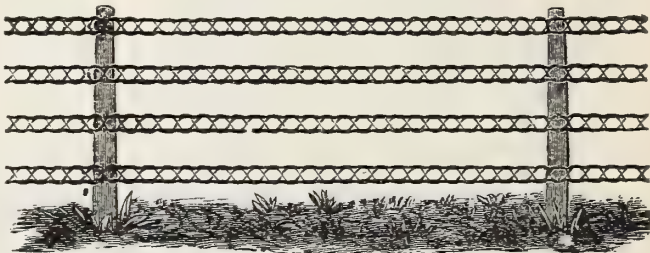
The person stretching the wire can nail it to the post without assistance. The only true principle for a Wire Stretcher.

Price.....75 cents.



Truss and Cable Fence Wire.

It is composed of six galvanized spring steel wires of superior quality and is about 1½ in. wide. Its strength is equal to the combined tensile strength of all the wires, and its construction is such as to allow for the expansion and contraction of heat and cold without stretching.



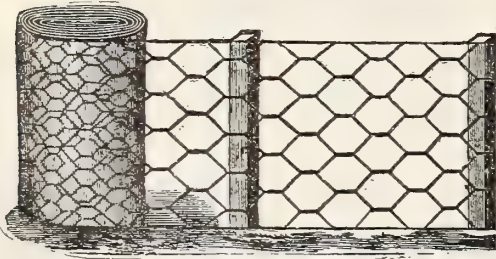
POULTRY NETTING.—For Enclosing Poultry Yards.

The Wire we offer is all No. 19 double twist, 2-inch mesh, thoroughly galvanized after weaving. Sold in bales of 150 running feet.

PRICES, 2-INCH MESH.

12 in. wide.....	150 sq. feet.....	\$ 75 per bale.
18 ".....	225 ".....	1 13 "
24 ".....	300 ".....	1 50 "
36 ".....	450 ".....	2 25 "
48 ".....	600 ".....	3 00 "
60 ".....	750 ".....	3 75 "
72 ".....	900 ".....	4 50 "

Prices ¾ cent per sq. ft. in less than bale lots. Staples for fastening, 10 cents per lb.



BALING TIES.

The cost of Bale Ties is from 40 to 60 cents per ton of hay. We have spared no expense to secure the *best* methods and the most efficient machinery. To get the length of tie required add 3 inches to the measure around the bale when under pressure. We keep in stock only the standard size, No. 15, 8½ feet long, but can furnish any of the other sizes and lengths on order at lowest prices.

List Price—No. 15, 8½ feet long.....\$4 51 Retail Price—No. 15, 8½ feet long.....\$1 75



ANNEALED BALING WIRE.—Nos. 11, 12, 13, 14 and 16 always on hand at lowest market prices.

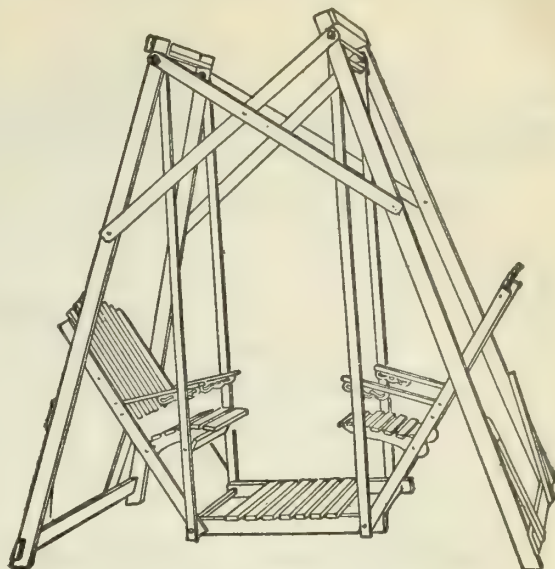
The Arctic Lawn Swing and Hammock Combined.

The Arctic Swing and Hammock affords the most comfortable lounging place you can find, and as the backs of the chairs are adjustable, they can be set up as straight or incline at as great an angle as you wish.

AS A HAMMOCK—By raising the platform to a level with the seats you have a most comfortable hammock. It is built of the best hardwood lumber, with a carrying capacity of two adults, but is strong enough to carry six children.

Handsomely painted in deep red or oak and nicely varnished. There is nothing more conducive to an afternoon siesta or a pleasant chat with your best girl than one of these swings under a shady tree.

PRICE ARCTIC No. 2.....\$7.00.

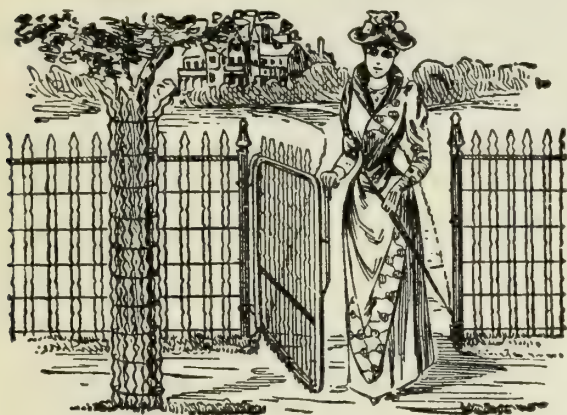


“Hartman” Steel Picket Fence.

Strong, Durable, Cheap, Ornamental, Convenient, because easy to handle, no holes to dig, quickly put up.

PRICE LIST.—(Subject to change without notice.)

STYLE.	Height.	Size of Pickets.	Distance between Pickets.	Number of Cables.	Size of Wire (2 Strands) in Cables.	Per Lineal Foot, Galvanized
No. 1 Standard Spear Top Lawn Fence.	37 in.	No. 6 Wire.	3 in.	6	No. 12 Wire	20 cents.



The “Hartman” Steel Tree and Flower Guard.

Is Ornamental, Strong, Durable and Cheap.

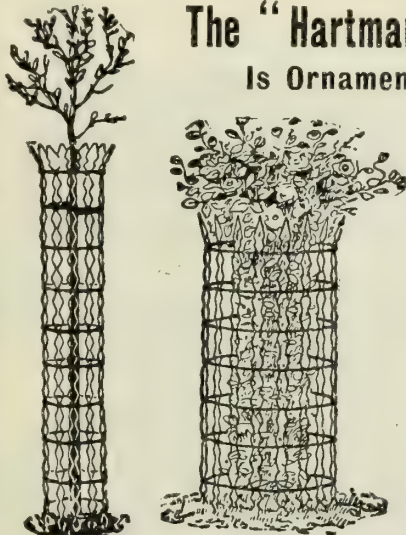
Made of heavy galvanized steel wire.

They take but a moment to erect and are easily moved from place to place.

No. 1 Tree Guard, 9 in. diameter, 5 ft. 8 in. high, Price \$12.00 per doz. \$1.25 each.

For special Guards, add \$1.00 per dozen for each additional inch in diameter over nearest smaller regular size.

We can make this Guard for any size of Tree.



HARTMAN IMPROVED HITCHING POST

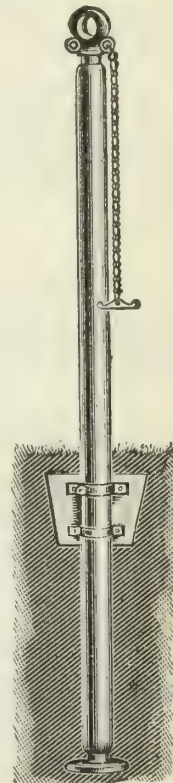
Cannot be broken or pulled out.

Made of tubular steel, thoroughly painted.

Anchored at the bottom and at the ground level.

These Posts furnished with Weldless Steel Chain and Spring Snap, complete.

Price, complete, \$1.50.



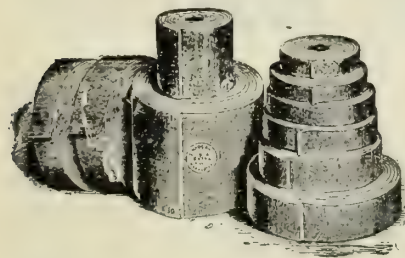
Galvanized Steel Picket Flower Guards.

1-14 inches diameter, 24 inches high, \$5.50 per dozen, or 35 cents each. 30 inches high, \$6.50 per dozen, 60 cents each.

For Special Flower Guards add \$1.00 per dozen for each additional 6 inches in height, and 50 cents per dozen for each additional inch in diameter over nearest smaller regular size.

RUBBER BELTING.

WITH SMOOTH, METALLIC RUBBER SURFACE. FOR AGRICULTURAL AND OTHER MACHINERY.



Prices for 3-ply, per ft.				List.	Retail.	Prices for 4-ply, per ft.				List.	Retail.
3 in.	3 1/2 in.	4 in.	4 1/2 in.	26c.	11c.	3 in.	3 1/2 in.	4 in.	4 1/2 in.	31c.	13c.
3 1/2 in.	4 in.	4 1/2 in.	5 in.	30c.	12c.	4 in.	4 1/2 in.	5 in.	5 1/2 in.	37c.	15c.
4 in.	4 1/2 in.	5 in.	5 1/2 in.	34c.	14c.	4 1/2 in.	5 in.	5 1/2 in.	6 in.	42c.	17c.
4 1/2 in.	5 in.	5 1/2 in.	6 in.	39c.	24c.	5 in.	5 1/2 in.	6 in.	6 1/2 in.	47c.	19c.
5 in.	5 1/2 in.	6 in.	6 1/2 in.	43c.	18c.	5 1/2 in.	6 in.	6 1/2 in.	7 in.	52c.	21c.
5 1/2 in.	6 in.	6 1/2 in.	7 in.	52c.	21c.	6 in.	6 1/2 in.	7 in.	7 1/2 in.	62c.	25c.

RUBBER HOSE.

Suitable for Hydrants, Force Pumps, Garden Engines, Street Sprinkling, etc.

Internal Diam.,	per foot,	List.	Retail.
1/2 in.		25c.	12 1/2
3/4 in.		30c.	15
1 in.		40c.	20

HOSE REELS.

Will carry about 75 feet 3/4-inch hose. Each, 75 cts.

REPAIRING LAWN MOWERS A SPECIALTY.

.....THE.....

BALTIMORE BARROW

MADE IN FOUR SIZES—Nos. 3, 4, 5, 6.

ALL the good points essential to a first-class barrow are incorporated in these. First, strength to stand the strain to which a garden barrow is necessarily subjected; secondly, it is constructed so as to be easily handled; thirdly, well painted.

Special Features and Advantages.

Extra heavy wheel with iron hub; solid iron axle; specially well braced, (thus adding greatly to the strength and durability); nicely painted, striped and varnished. The trade has recognized the superiority of these goods to such an extent that for the coming season it will be necessary to double our output of 1896.

The wheels are made with bent rims in half pieces; spokes extend through the rim; special hub held on the axles by two set screws. All iron work machined and joints perfectly fitted for best service; all wood work mortised and pinned, and nothing but thoroughly seasoned stock used. We make a specialty of packing for export trade.



No. 3—MEDIUM SIZE.

Inside measurement of box: 28 inches long, 17 inches wide at wheel, 22 inches wide at handle end, 12 inches high, has 18-inch wheel.
Price.....\$3 25

No. 4—MEDIUM SIZE.

28 inches long, 18½ inches wide at wheel, 23 inches wide at handle end, 12 inches high, has 20 inch wheel.
Price.....\$3 50

No. 5—LARGE SIZE.

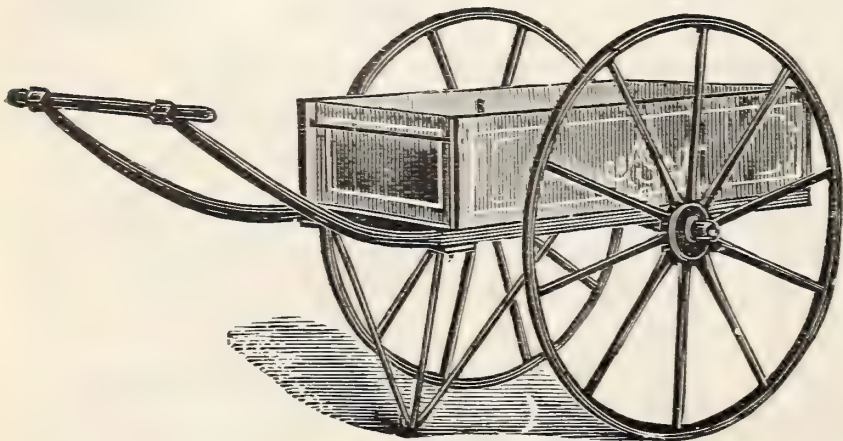
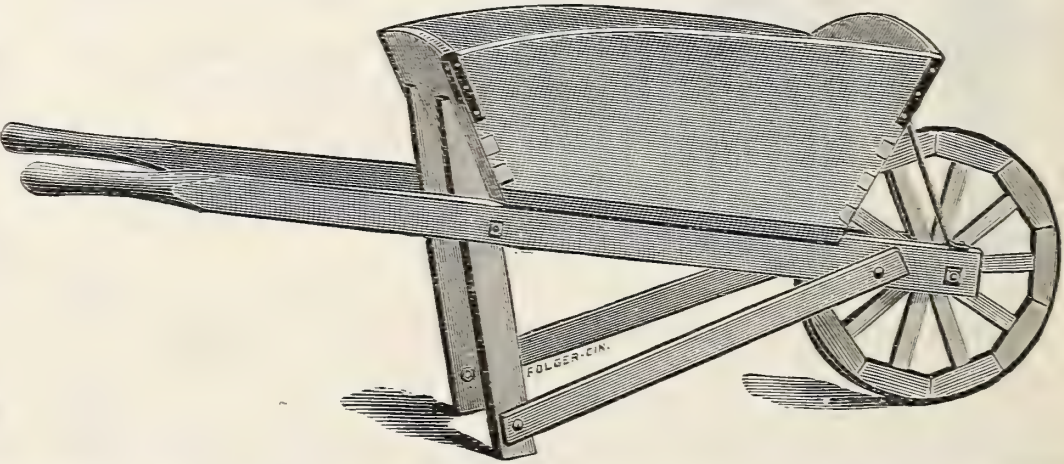
30 inches long, 19 inches wide at wheel, 24 inches wide at handle end, 12 inches high, has 22-inch wheel.
Price.....\$4 00

No. 6—EXTRA LARGE SIZE.

32 inches long, 22 inches wide at wheel, 27 inches at handle end, 12 inches deep, has 22-inch wheel.
Price.....\$4 50

Coal and Mortar Barrows.

Top is iron banded, strongly braced and bolted; has large capacity.
Price.....\$4 00



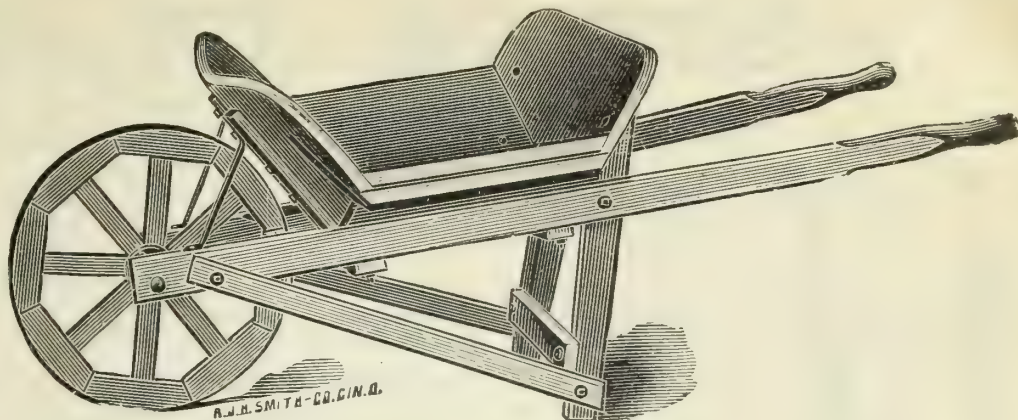
BALTIMORE PUSH CART.

These Carts are nicely finished; higher wheels, better ironed and altogether superior to any implement of the kind on the market. The immense demand for these Carts prove the above claims to be true.
List Price.....\$10 00
Retail Price.....9 00

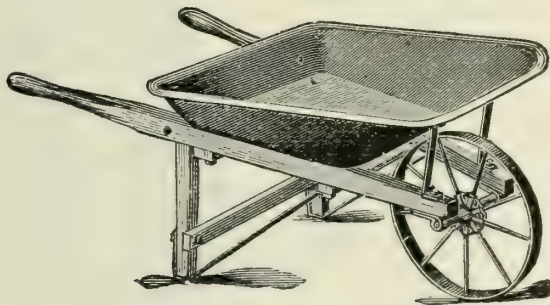
CANAL BARROWS.

Both Wood and Steel Wheel.

Best.....	\$2 50
Second Grade.....	2 00
Plain Bolted.....	1 50



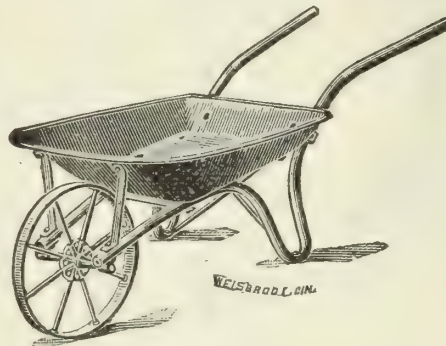
STEEL TRAY BARROWS.



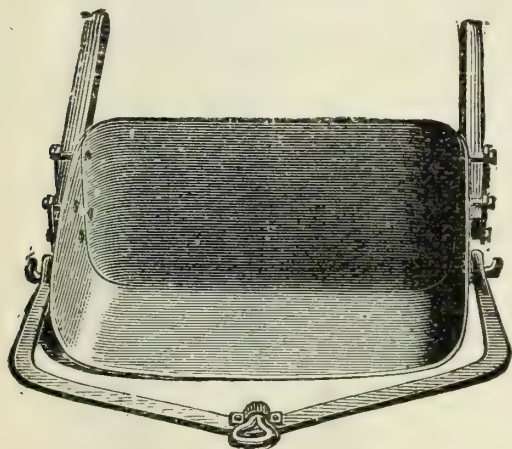
These Barrows are not exactly as shown in cut, but trays are shaped similar to those used on Canal Barrows.

Price, \$4.00.

ALL STEEL BARROWS.



- No. 4—Steel Tubular Dirt Scoop Barrows, Tray No. 15, Steel, capacity 3 cubic feet, weight 70 lbs., price..... \$5 00
- No. 5—Heavier Tray, capacity, 4 cubic feet, weight 82 lbs., price..... 6 00



Improved Steel Scrapers.

- No. 1 carries 7 feet of
No. 2 carries 5 feet of
No. 3 carries 3½ feet of

- earth, weight, 90 lbs..... \$6 50
earth, weight, 80 lbs..... 6 00
earth, weight, 70 lbs..... 5 50

Patent Wheel Scraper.

THE LEADER OF THEM ALL.

Their worth consists in measuring the amount of work done.

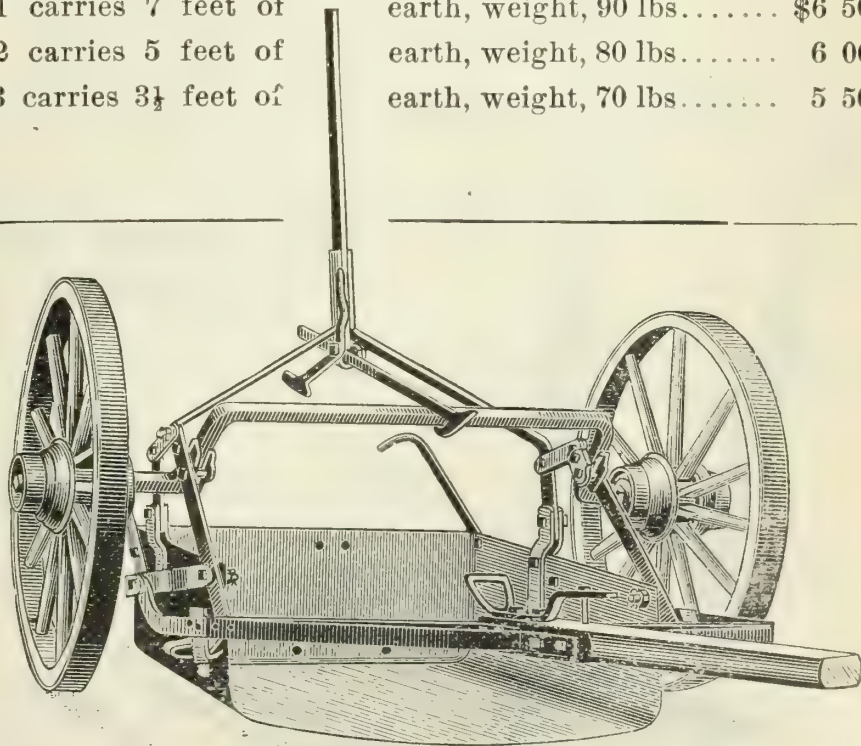
Our pans are strong, well made, and will keep their shape better than any other Wheeler in the market.

SUGGESTIONS AND DIRECTIONS FOR USING WHEELER.

Always raise the Scraper out of the ground while the team is in motion. See that all the bolts on the Scraper are drawn up tight and all the bearings kept well oiled.

An ordinary team can work No. 2 size. The No. 3 size can be worked with one team, but to fill the Scraper well it needs an extra team in filling, and each No. 3 Wheeler is complete with a snatch rod. The snatch rod is placed under the doubletree, practically taking all weight off the horses' necks.

To load, hold the lever in an upright position until the foot piece on the end of the lifting device comes in contact with the lug on the hounds. Raise on the handles of the Scraper box until the point catches in the ground. The Scraper will run perfectly level and regulate the depth itself. When the Scraper is full, bear down on the lever until the hook catches on the back part of the pan.



ORDER BY NUMBER ONLY—WE MAKE THREE SIZES.

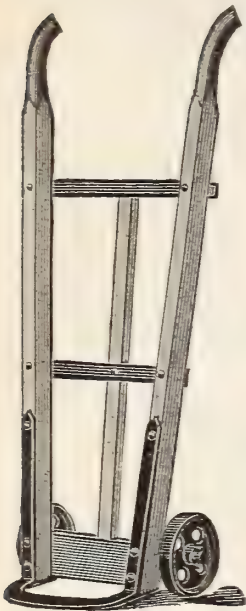
No. 1, capacity 9 cubic feet, weight 375 lbs.....	\$25 00
No. 2, capacity 13 cubic feet, weight 500 lbs.....	30 00
No. 3, capacity 17 cubic feet, weight 850 lbs.....	35 00

❖ STORE TRUCKS. ❖

BALTIMORE STORE TRUCK.

Best light Truck made for the money.

List Price..... \$4 00
Retail Price..... 2 00



BALTIMORE
STORE TRUCK.

NEW YORK PATTERN.

HALF STRAPPED.

	List Price.	Retail Price.
No. 0.....	\$ 4 40	\$2 45
" 1.....	4 60	2 55
" 2.....	6 10	3 35
" 3.....	8 00	4 40
" 4.....	9 50	5 25
" 5.....	11 50	6 35

FULL STRAPPED.

No.	List Price.	Retail Price.
0.....	\$ 5 15	\$2 85
1.....	5 35	3 00
2.....	7 10	3 90
3.....	9 00	4 95
4.....	11 00	6 05
5.....	13 50	7 45



NEW YORK PATTERN.

NEW YORK PATTERN.	Length of handles.	Width of nose.	Width at upper bar.	Diameter of wheels.	Weight in pounds.
No. 1.....	4' 0"	12 "	17½"	7 "	35
" 2.....	4' 5"	14 "	18½"	8 "	55
" 3.....	4' 8"	15½"	20½"	9 "	65
" 4.....	5' 0"	16 "	21 "	9½"	82
" 5.....	5' 3"	18 "	22 "	10 "	95
" 6.....	5' 9"	20 "	23½"	12 "	125
BARREL.					
No. 1.....	4' 0"	12 "	17½"	7 "	42
" 2.....	4' 5"	14 "	18½"	8 "	65
" 3.....	4' 8"	15½"	20½"	9 "	74
" 4.....	5' 0"	16 "	21 "	9½"	95
" 5.....	5' 3"	18 "	22 "	10 "	120
COTTON.					
No. 3.....	4' 8"	15½"	20½"	9 "	65
" 4.....	5' 0"	16 "	21 "	9½"	82
" 5.....	5' 3"	18 "	22 "	10 "	95
" 6.....	5' 9"	20 "	23½"	12 "	125

NEW YORK BARREL TRUCK.

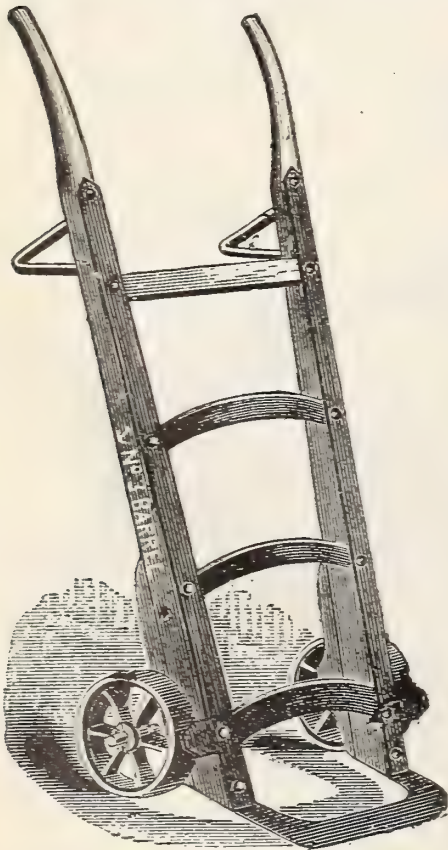
List. Price Retail Price.

No. 1.....	\$ 7 00	\$3 85
" 2.....	9 00	4 95
" 3.....	10 50	5 80
" 4.....	12 50	6 90
" 5.....	15 00	8 25

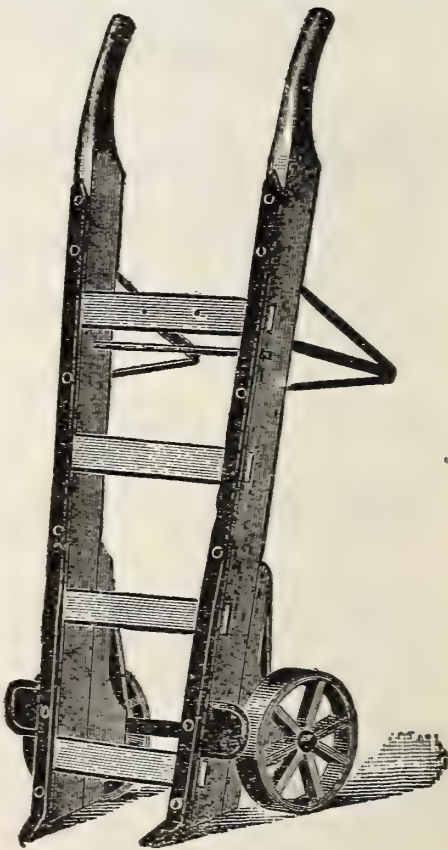
COTTON TRUCKS.

List Price. Retail Price.

No. 3.....	\$ 9 00	\$5 00
" 4.....	11 00	6 00
" 5.....	13 50	7 50



NEW YORK BARREL TRUCK.



COTTON TRUCK.

THE BALTIMORE PUMP.

With and Without Porcelain Cylinder, Suitable for Cisterns, Shallow and Deep Wells.

PRICES OF PUMPS FITTED COMPLETE.

	6 x 6 UNLINED.		6 x 6 LINED.		7 x 7 LINED.	
	LIST.	RETAIL.	LIST.	RETAIL.	LIST.	RETAIL.
For 6-ft. well..	\$ 5 75	\$4 60	\$ 7 25	\$ 5 60	\$ 8 00	\$ 6 40
" 8 "	6 05	4 85	7 55	6 04	8 30	6 65
" 10 "	6 26	5 00	7 76	6 25	8 60	6 90
" 12 "	6 54	5 25	8 04	6 50	8 90	7 15
" 14 "	6 82	5 50	8 32	6 66	9 20	7 40
" 16 "	7 10	5 70	8 60	6 90	9 50	7 60
" 18 "	7 90	6 35	9 40	7 55	10 10	8 10
" 20 "	8 18	6 60	9 68	7 75	10 40	8 35
" 22 "	8 67	7 00	10 17	8 15	10 90	8 75
" 24 "	9 21	7 36	10 71	8 60	11 50	9 25
" 26 "	9 49	7 40	11 00	8 80	12 00	9 60
" 28 "	10 54	.....	12 04	9 70	13 25	10 60
" 30 "	11 64	.....	13 14	10 55	14 60	11 68
" 32 "	12 74	.....	14 24	11 40	15 25	12 20
" 33 "	.....	.....	14 60	11 70	15 35	12 30
" 35 "	.....	.....	15 30	12 25	16 25	13 00
" 36 "	.....	.....	15 65	12 55	16 70	13 40
" 38 "	.....	.....	16 50	13 25	17 60	14 10
" 40 "	.....	.....	17 25	13 80	18 50	14 80
" 45 "	.....	.....	19 00	15 25	20 75	16 60
" 50 "	.....	.....	.....	.....	23 00	18 40

STANDARD LIST PRICES

Wood Pumps, Tubing and Extras.

ADOPTED DECEMBER 8, 1892.

"No. 0" Stock Pumps.—7 in. Square, 4 in. Bore.

Porcelain Lined.		Porcelain Lined.	
6 ft. long, in one piece.....	\$ 7 80	15 ft. long, Extens. Cylinder..	\$11 30
7 " " " "	8 50	20 " " " " ..	13 05
8 " " " "	9 10	25 " " " " ..	14 80
10 " " " "	10 30	30 " " " " ..	16 55
12 " " " "	11 50	6 " " in one piece, with-	
10 " " Extension Cylinder,	9 55	out Lining.....	6 20
12 " " " "	10 25		

PUMPS FOR DRIVE WELLS.

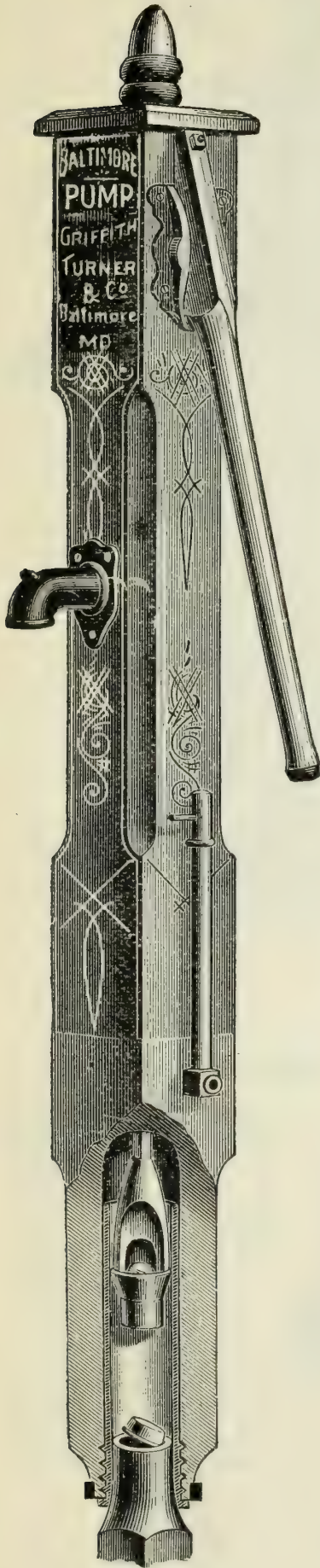
To fit 1½, 1¼, or 2 inch. Iron Pipe.

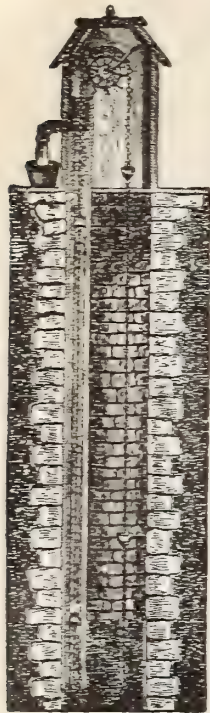
Iron Cylinder Attached.		Iron Cylinder Attached.	
No. 1, House, 6 ft. long.....	\$6 75	No. 1, House, 8 ft. long.....	\$7 75
" 6, " 7 " "	7 25	" 1, " 10 " "	8 75

TUBING, COUPLINGS, Etc.

4 x 4 Tubing, per foot.....	\$ 15	Extra Buckets, Leathers, per doz.....	\$3 50
6 x 6 Extension Tubing, per foot.....	35	" Handles, each.....	30
Couplings for 4 x 4 Tubing, with Bands...	40	" " Links, each.....	25
Extra Iron Spouts, Japanned, each.....	30	" Bands, each.....	10
Iron Brackets, each.....	40	" Check Valves, per doz... ..	1 50
Extra Buckets, 3½ inch., each.....	80	" Splice Straps, pair, with bolts.....	25
" " Woods, per doz.....	3 00	" Iron Pipe Connections, each.....	75

REPAIRING LAWN MOWERS A SPECIALTY.





THIS cut shows the chain pump at work in the well. For shallow wells and cisterns they are rapidly gaining favor in this section of the country, where they were scarcely used at all until a very few years ago. Farmers and merchants who use or handle chain pumps will find our prices low when quality is considered.

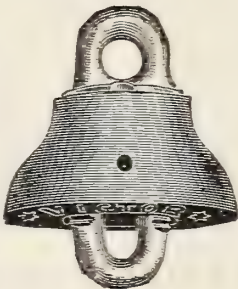
PRICES.

Chain Pump curbs, each.....	\$2 00
Chain Pump tubing, per ft.....	06
Chain (running 4 to 4½ ft. to lb.) per lb.....	10
Crosby Swivel Link Buckets, each.....	10
Crosby Plain Buckets, each.....	09
Queen Buckets, each.....	08
Victor Buckets, each.....	10

Victor Expansion Rubber Bucket.

FOR CHAIN PUMPS. ANTI-FREEZING.

These are made of best materials, malleable iron links, best quality white rubber, so formed as to lock the nut wherever it is placed on the link. They have largest expansion and great durability and give perfect satisfaction. To adjust this bucket to fit tubing, the rubber is first turned back, thus exposing the nut and allowing it to be moved with ease up or down on the link. When the nut is located on the link as far as it can be moved upward the bucket is of its smallest diameter and will fit new tubing accurately. Expanded by turning the rubber to the left downward on the link. When the nut is on lowest point of link the bucket has attained its greatest expansion. Price, 10 cts.



IRON CYLINDER
CLOSE TOP PITCHER SPOUT PUMP.



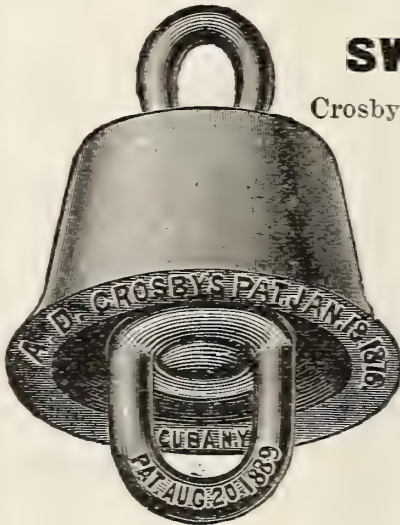
The above cut shows the Improved Pitcher Pump, a style in universal favor for home use, where a cheap and substantial cistern pump is wanted. The cylinders are bored perfectly true and highly polished. All parts are made to exact gauges, so that repairs will always fit. To prevent freezing, trip valves by raising lever to its extreme height.

Size Cylinder,	Fitted for	Stroke,	List Price,	Retail Price,
No. 1, 2½ in.	1 in. Pipe,	4 in.	\$4 25	\$1 50
No. 2, 3 in.	1½ in. Pipe,	4 in.	4 75	1 75

CHAIN PUMPS.



SWIVEL LINK.



Crosby Swivel Link lets twists and kinks out and prevents catching and breaking of chain. Has an air chamber on top which conducts the air to bottom of well. It is self-expansive, the base of bucket being an eighth of an inch larger at the bottom than bore in the tubes, which allows it to expand and the groove in the side to contract. The wear comes on the whole side and not on the extreme edge as on other buckets. PRICE, 10 CTS.

THE QUEEN

is far superior to any of this class of buckets. The elasticity allows it to adjust itself to any evenness in the tube, and the durability is unquestionable.

IT IS CHEAP IN PRICE
AND DURABLE.

PRICE, 8 CTS.



MYERS' GLASS VALVE PUMPS.

FIG. 510

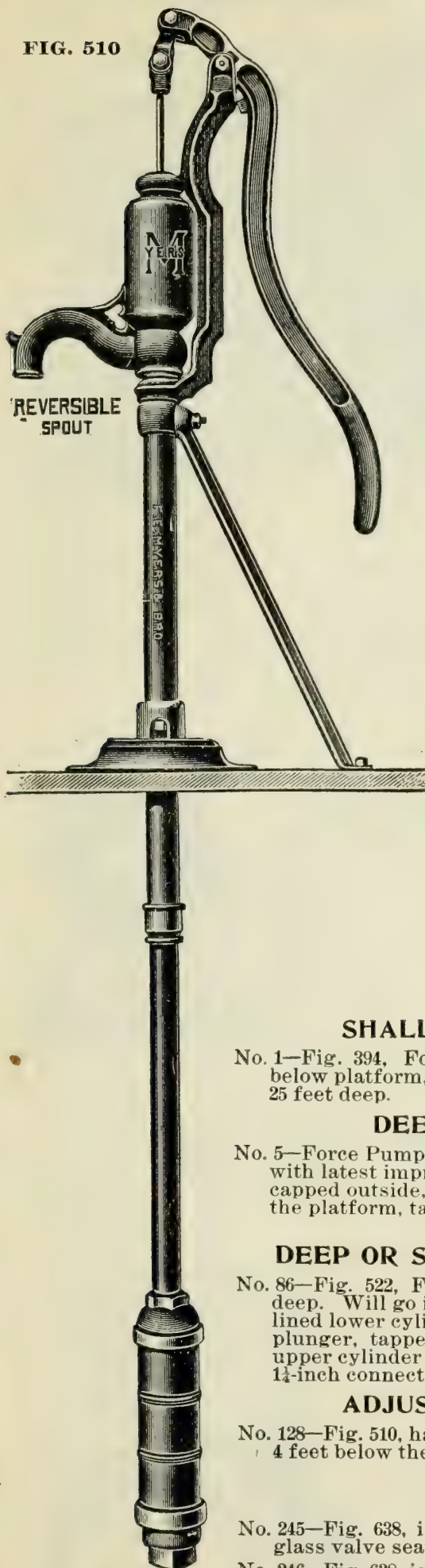


FIG. 638

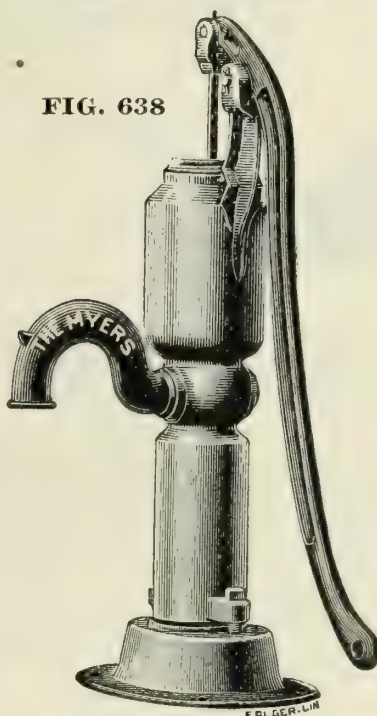


FIG. 522

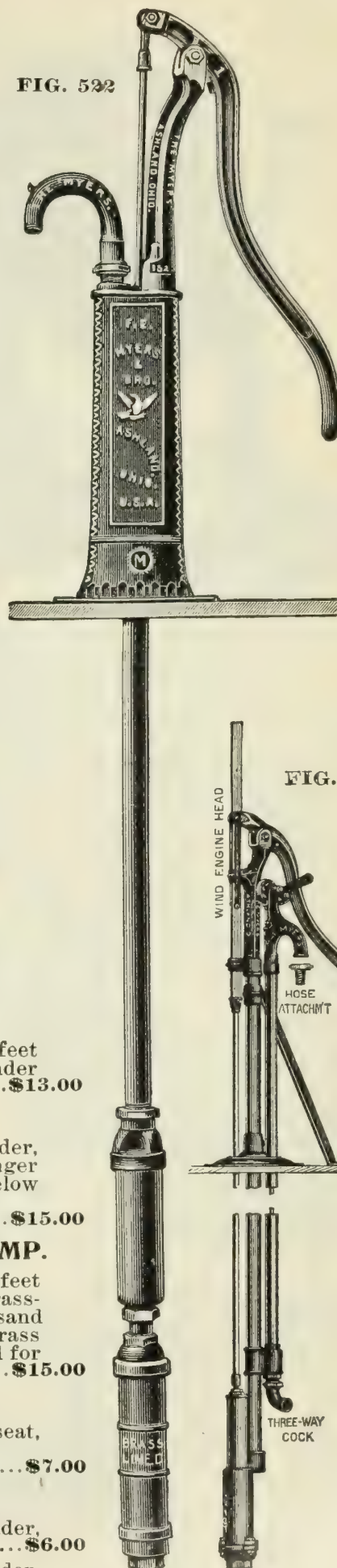
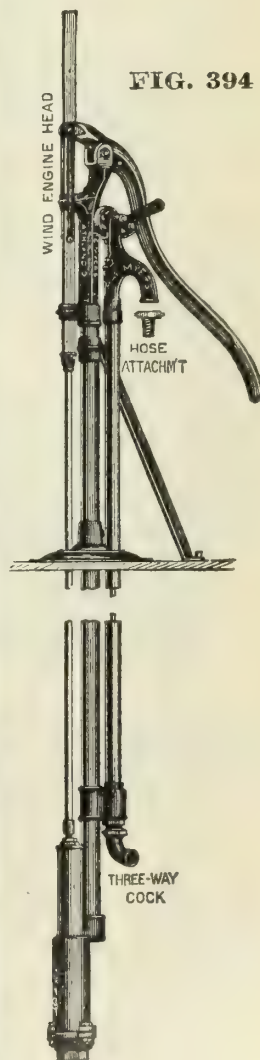


FIG. 394



PRICE LIST.

SHALLOW WELL FORCE PUMP.

No. 1—Fig. 394, Force Pump, 3-inch brass cylinder, 4 feet below platform, for 1½-inch pipe. This is for well under 25 feet deep. Price.....\$13.00

DEEP WELL FORCE PUMP.

No. 5—Force Pump has a 3-inch brass-lined lower cylinder, with latest improved glass valve seat and sand plunger capped outside, the brass upper cylinder is 4½ feet below the platform, tapped for 1½-inch connecting pipe. Price.....\$15.00

DEEP OR SHALLOW WELL FORCE PUMP.

No. 86—Fig. 522, Force Pump for wells from 10 to 75 feet deep. Will go in a 4½-inch cased well. Has 3-inch brass-lined lower cylinder, improved glass valve seat and sand plunger, tapped for 1½-inch suction pipe. The brass upper cylinder is 4½ feet below the platform tapped for 1½-inch connecting pipe. Price.....\$15.00

ADJUSTABLE BASE LIFT PUMP.

No. 128—Fig. 510, has 3-inch brass-lined cylinder, plain seat, 4 feet below the platform, for 1½-inch pipe. Price.....\$7.00

HOUSE LIFT PUMP.

No. 245—Fig. 638, is fitted with 3-inch brass-lined cylinder, glass valve seat, patent drop valve. Price.....\$6.00
No. 246—Fig. 638, is fitted with 3-inch polished iron cylinder, patent glass valve seat, patent drop valve. Price.....\$5.00

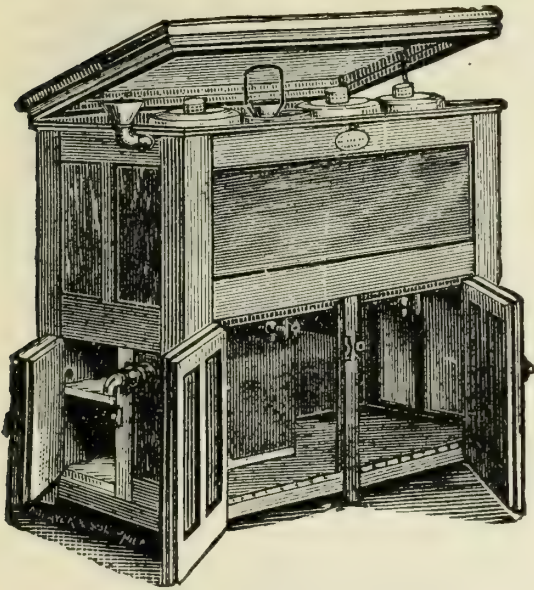
20 per cent. discount to farmers from above prices.

1¼-INCH GALVANIZED PIPE, per foot..... List Price, 22 cts. Retail Price, 10 cts.
GALVANIZED ROD, per foot..... " " 9 " " " 5 "

ALL KINDS OF MACHINERY REPAIRED.

STODDARD CREAMERY.

WITH OR WITHOUT SPECIAL REFRIGETATOR—THOROUGH IN CONSTRUCTION—SIMPLE IN OPERATION—ACCURATE IN ITS WORKING.



Made in sizes to suit any dairy, from one to fifty cows. Lined with zinc and having slate shelves. Both styles have the lower compartment with doors. Used with or without ice, and adapted to summer or winter dairying.

FAMILY CLASS.

	No. of Cans.	No. of Cows.	Plain Creamery.	With Special Refrigerator.
Price, No. 2.....	2	2	\$20 00	
" " 3.....	3	3 to 4	26 00	\$31 00
" " 4.....	4	5 to 6	32 00	37 00

Each can holds 2½ gallons. Subject to special discount.

DAIRY CLASS.

	No. of Cans.	No. of Cows.	Plain Creamery.	With Special Refrigerator.
Price, No. 2....	2	5 to 6	\$25 00	
" " 3.....	3	7 to 9	31 00	\$36 00
" " 4.....	4	10 to 12	37 00	42 00
" " 5.....	5	13 to 15	43 00	48 00
" " 6.....	6	15 to 18	49 00	54 00
" " 8.....	8	20 to 24	61 00	66 00
" " 10.....	10	25 to 30	73 00	78 00
" " 12.....	12	30 to 36	85 00	90 00

Each can holds 5 gallons. Subject to special discount.

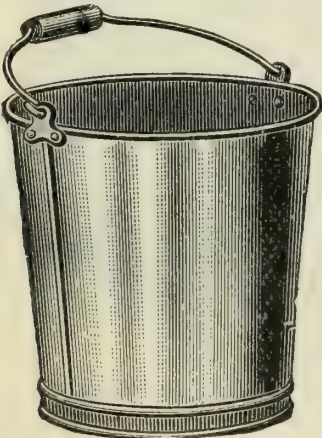
No. 2 Family Class and No. 2 Dairy Class are not made with the separate refrigerating compartment unless so ordered.
 The above prices do not include partitions, nor more than one water faucet. If partition or extra water faucet is wanted they will be furnished at \$1.00 each.

DE LAVAL CREAM SEPARATOR.

This as seen in the cut is a hand size separator, but we can furnish a full line of both hand and power. We claim the following **superior points in construction**, viz :

It is built in a substantial manner.
 The bowls are **ABSOLUTELY BURST PROOF**, being made of the very best and toughest Swedish steel and manufactured at the company's shops in Sweden.
 Every one is *carefully balanced and thoroughly tested* before leaving the shops, being run at a rate of speed much higher than is ever used in a factory.
 The great and strong feature of the De Laval "Baby" or hand machines, is the adaptation to, and use in same, of the new and improved "Alpha" device or disc bowl system.

	Capacity.	PRICE.
Humming Bird (Alpha or Disc Bowl Type).....	175 lbs. per hour..	\$ 65 00
Old Style Baby, No. 1 (Plain or Hollow Bowl Type).....	150 " " "	75 00
New Style Baby, No. 1 (Alpha or Disc Bowl Type).....	250 " " "	90 00
Baby, No. 2 (Alpha or Disc Bowl Type).....	350 " " "	125 00
Baby, No. 3 (Alpha or Disc Bowl Type).....	675 " " "	200 00
Dairy Turbine (Alpha or Disc Bowl Type).....	700 " " "	225 90
The Standard Machines, ranging in capacity from 1100 lbs. to 4000 lbs. per hour. Write for special catalogue and prices.		
Pulleys for Nos. 1 and 2 "Baby" Machines.....		2 50
Pulley for No. 3 "Baby" Machine.....		3 00
These Pulleys are for use when dog or sheep power is wanted. When used altogether with power, with tight or loose pulley, or a single ratchet pulley, price of either style.....		
		6 00



MILK PAIL.

Made of best XXXX Tin.
 2 gallon.....\$ 80 each.
 3 " 1 00

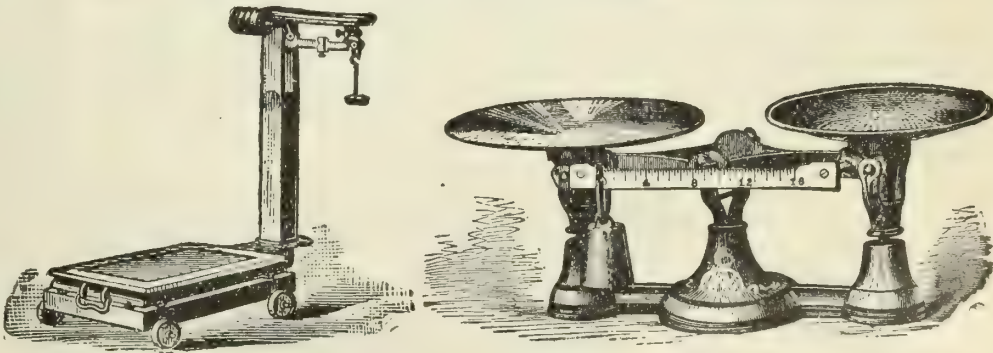
BUTTER LADLE.

Price.....15 and 25 cents each.

BUTTER PADDLE.

Price.....10 cents each.

BUTTER AND PLATFORM SCALES.



FLOATING GLASS THERMOMETERS.

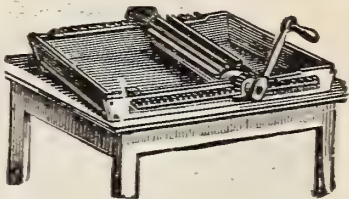


Price, 25 cents each.

8-inch Dairy Thermometer stands boiling water, Price, 50 cents each.

REID'S BUTTER WORKER.

THIS is a machine that is very efficient in its work, simple in its construction, and convenient to handle. It will work a batch of butter in from three to five minutes, according to the condition of the butter, working out the buttermilk and thoroughly mixing in the salt, doing the work far quicker and better than it can be done by hand. It consists of a tray and a roller with paddles, which is turned by a crank and traverses from end to end of tray. It acts on the butter on precisely the same principle as a ladle in the hands of a person, but with perfect uniformity and without injuring the grain. The machines are all built of the best material, the iron part is galvanized, preventing rust.



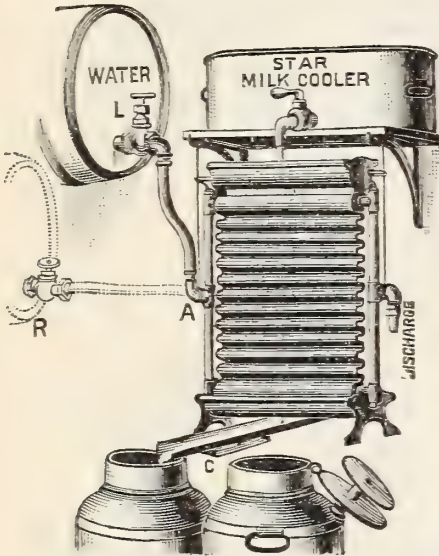
PRICE LIST.

No. 1, Size 23x36 in., and 2½ in. deep inside, Capacity 50 lbs., Weight 45 lbs.....	List price, \$10.00	Retail price, \$8.00
No. 2, " 20x36 in., " 2½ in. " " " " 30 lbs., " 29 lbs.....	8.00	6.40
No. 3, " 17x27 in., " 2½ in. " " " " 20 lbs., " 25 lbs.....	7.00	5.60
No. 4, " 14x23 in., " 2½ in. " " " " 10 lbs., " 20 lbs.....	6.00	4.80

Three pounds can be worked in any of the above machines, as well as a larger quantity. In buying a machine you should choose a size that will work the largest quantity that you will be likely to want to work at a time. Larger sizes, specially designed for mixing, reworking and coloring, or for creamery use.

No. 0, size 23x37 in., and 3 in. deep inside, Capacity 75 lbs., Weight 60 lbs.....	\$12.50
No. 00, " 23x56 in., " 3 in. " " " " 112 lbs., " 80 lbs.....	15.00
No. 000, " 23x72 in., " 3 in. " " " " 150 lbs., " 100 lbs.....	18.00

When desired we can send legs along with any size machine. for \$4.00 extra, which can be set up after arrival at destination.



STAR MILK COOLERS.

THESE are thorough aerators, because the water flowing upwards inside the sheets of copper becomes heated by the warm milk flowing down over the out-sides, this brings warm milk and warm water together at the top of the cooler; the milk being gradually cooled as it descends, leaves the cooler within 2 degrees of the temperature of water run through it.

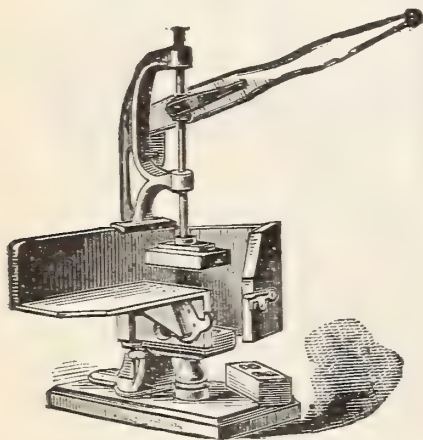
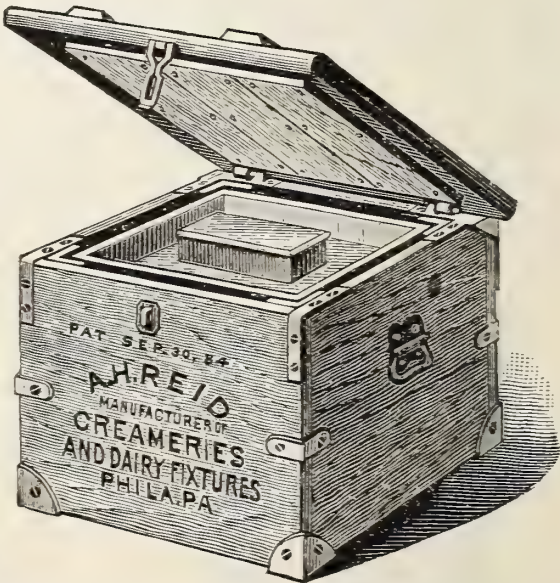
In the smallest size every drop of milk is compelled to flow over 40 inches of surface, all on outside of machine. Will cool milk as fast as it can be milked; no ice required.

These Coolers are constructed of Copper Sheet and Brass Castings, heavily tinned and have surface enough to do the work claimed in hot weather. Will not rust; last a lifetime.

Price, No. 1 Star Cooler, 60 gallons per hour.....	\$25.00
Price, No. 2 Star Cooler, 90 gallons per hour.....	27.50

BUTTER BOXES.

ARE made of well seasoned lumber, iron-bound at the edges and capped at the corners, as shown in the engraving. Malleable detachable hinges and corner plates combined, giving greater strength and durability than any other box, to which especial attention is called. The trays for the butter are let down into the box, one upon another, and may be put in or lifted out with the butter in them. A movable ice box is placed in the center: when this is not used a strip, provided for the purpose, may be placed in the bottom of each tray to fill up the space. The four sides of the trays are surrounded by a non-conducting air space, which is valuable in preserving the temperature and saving the ice. Malleable iron chest handles well secured to the sides of the box, make it convenient to carry. These boxes are specially suited for square or oblong prints. Nearly all the recent inventions in butter printing machines have adopted this shape, and it is generally conceded to be the best for transportation. If you have a uniform good article, and would get the best price for it, see that you get a Reid Shipping Box, which will carry it to its destination in good condition summer or winter, and it will soon pay for itself.



Capacity 20 lb. Prints.....	\$3.75
" 30 " ".....	4.25
" 40 " ".....	4.75
" 56 " ".....	5.00
" 80 " ".....	5.50
" 96 " ".....	5.75
" 120 " ".....	6.00
" 36 ½-lb. Prints.....	4.50
" 64 " ".....	5.25

Capacity 80 ½-lb. Prints.....	\$5.50
" 100 " ".....	6.00
" 140 " ".....	7.00

Self Gauging Print. Price, \$10.00.
Butter Prints and Moulds. All sizes and styles. Round, 15 and 35 cents. Square, 60 cts., square and extra hand-made, \$1.00, \$1.25, \$1.50 and \$2.50 each.
More's Pyramidal Milk Strainer, with Rest, \$1.50, without Rest, \$1.35.
Well's, Richardson & Co.'s Butter Color. Will not color the Butter-milk. Price, 25 cts., 50 cts. and \$1.00 per bottle.
Parchment Butter Paper. Is air proof, tasteless and odorless. Does not stick to the butter, and prevents shrinkage. Is purer, neater, cleaner and cheaper than cloth. Price, 25 cts. per lb., or 5 lbs. for \$1.00.

The Ohio Butchering Derrick.

THE NEW WAY.

THE GREAT LABOR SAVER.

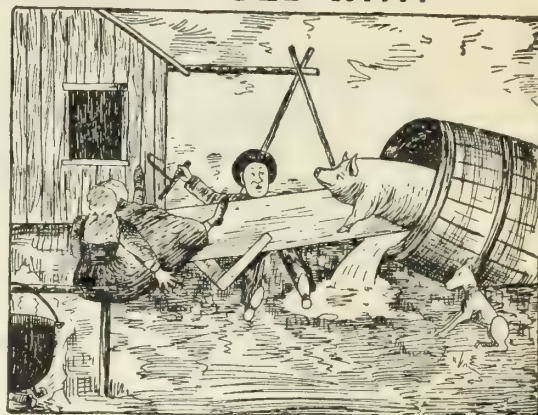
THE OLD WAY.



ONE MAN without any help can swing the largest hog and do all his own slaughtering.

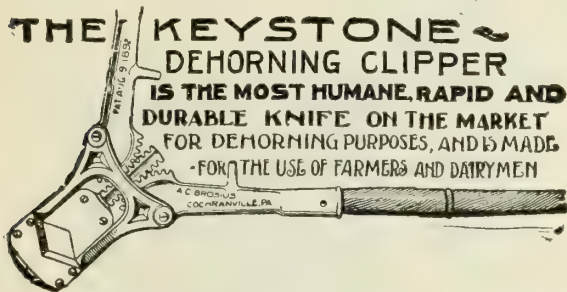
ONE MAN without ANY HELP can swing the largest HOG and do all his own slaughtering.

SAVES WOOD, WATER, EXTRA HELP and VEXATION.



The Derrick is made of first-class hardwood, finished in oil and varnished. Strong enough to swing up the largest hog, and room enough on it for four or more. It can be taken apart and put together within a few minutes; can be folded up closely and packed away in the hay loft during the summer. The hot water barrel may be placed within easy distance and the whole pig ducked at once and as long as may be necessary. Strong, durable, always ready for business.

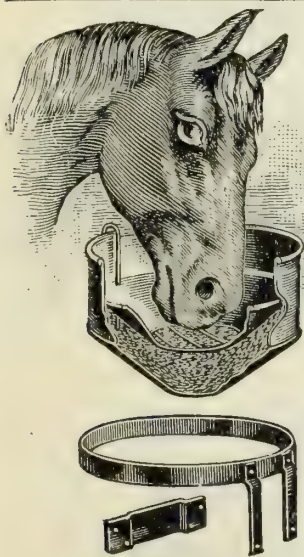
DESCRIPTION.—From the pulley to the ground, 9 ft.; length of derrick, 9 ft. 6 in.; track, 6 ft. 9 in. from the ground; braces, 6 ft. 6 in. wide at the bottom. Each Derrick furnished with four gammon sticks, four pulleys, four head hooks, twenty feet manilla rope, malleable iron stay rings, a windlass of easy sweep. Thoroughly well braced with proper cast iron supports to the crane. Weight, 150 lbs. **PRICE, \$10.50.**



The Keystone Dehorning Clippers.

The practice of dehorning cattle is coming more and more into vogue. It is a mercy to the animals. Prevents goring. Does not crush the horns. No twisting motion or second cut on horn. Parts are all interchangeable and can be replaced at any time. It is approved by veterinary surgeons and leading dairymen.

"The horns must go and they cannot go too soon."
Price—Clipper, with Leader and Rope, extra Blades and Screw, fully warranted.....\$12 00
Clipper alone..... 10 00



THE NATIONAL FEED BOX.

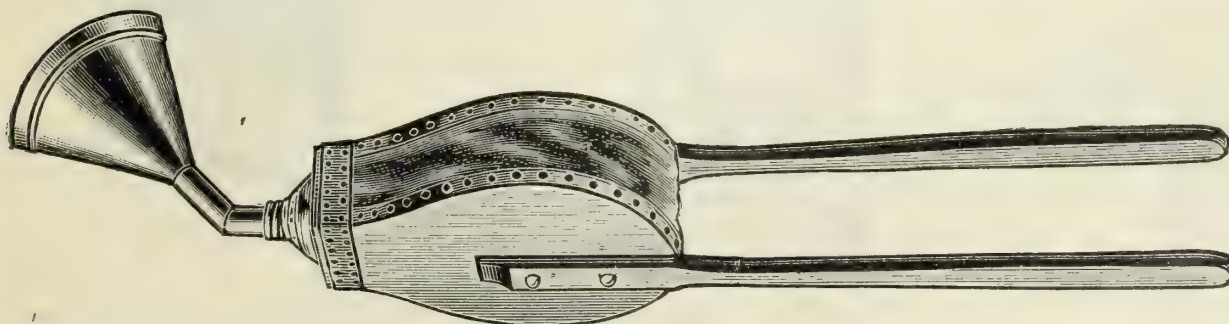
A PERFECT DEVICE FOR SLOW FEEDING IN THE STABLE OR ON THE ROAD.

THE HORSE CANNOT WASTE HIS FEED.

CURES BAD HABITS :—Bolting, slobbering and scattering.
Can feed all kinds of grain, corn in the ear, chopped food, bran-mash, water or medicine. Made of cold rolled steel, finely galvanized. Each box is furnished complete, with a japanned wrought iron holder, plate and screws. Easily cleaned. Especially adapted for use of fire and police departments, stock farms and public and private stables.

Capacity.	Diameter.	Height.	Av. weight.	Price.
No. 1—6 quarts.	6 inches.	8½ inches.	9 pounds.	\$2 25
No. 2—8 "	12½ "	10 "	10 "	2 50

IT HAS GREAT STRENGTH.



Acme Powder Gun.

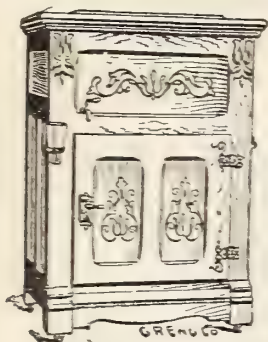
Price, \$1.00

Is a simple, practical instrument for exterminating all kinds of Insects, Bugs, Flies, &c. Will last a lifetime and every farmer should have one. It will handle all insecticides in the dry state,—*Pure Paris Green, Hellebore, Persian Insect Powder, &c.* It is very effective in the destruction of Potato Bugs, Currant Worms and all like pests, and for the wholesale destruction of *house flies*, using freshly ground insect powder cannot be excelled.

For Potato Bugs only requires the usual amount of Paris Green and does its work easily, quickly and well. Acme Powder Gun is well made, constructed with a solid hardwood head block, hardwood handles, best leather for the bellows, (an extra elbow is furnished to tilt the funnel for getting under leaves of plants and shrubs,) and is well finished throughout. This implement should have been placed with other insect powder guns, but came to hand too late for proper classification.

The.... Famous.. Leonard Cleanable Refrigerators.

SPECIAL DISCOUNT FROM FOLLOWING PRICES.



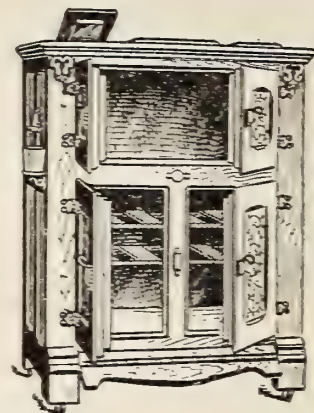
SINGLE DOOR, CARVED.

No. 2070—25x17x41.....	\$19 25
270—27x18x42.....	23 00
271—31x20x44.....	28 00
272—32x24x57.....	33 00
Same, without Water Cooler.	
No. 070—25x17x41.....	\$15 75
70—27x18x42.....	19 50
71—31x20x44.....	24 00
72—32x24x47.....	28 50



DOUBLE DOOR, CARVED.

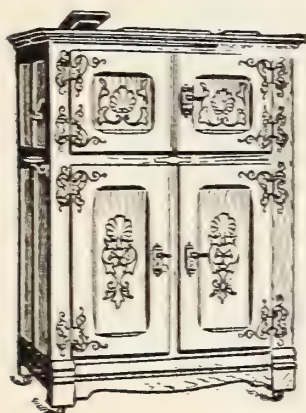
No. 273—33x20x46.....	\$32 00
274—36x21x48.....	37 00
275—40x24x50.....	43 00
Same, without Water Cooler.	
No. 73—33x20x46.....	\$27 50
74—36x21x48.....	32 00
75—40x24x50.....	38 00



FOUR-DOOR, CARVED.

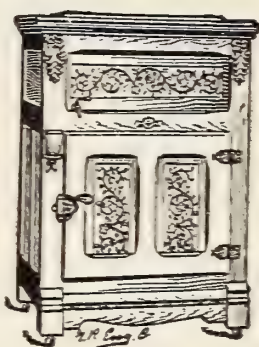
No. 276—40x25x57.....	\$51 50
277—43x26x62.....	59 50
Same, without Water Cooler.	
No. 76—40x25x57.....	\$46 00
77—43x26x62.....	54 00

WALLS OF THE ABOVE ARE MINERAL WOOD FILLED.



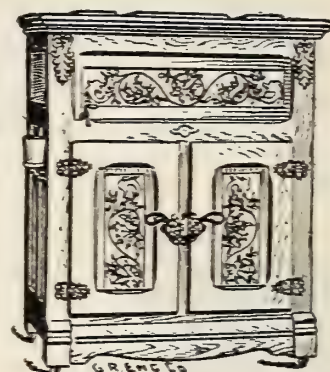
FOUR-DOOR, EMBOSSED.

No. 216—38x23x52.....	\$45 50
217—40x25x57.....	50 50
Same, without Water Cooler.	
No. 16—38x23x52.....	\$40 00
17—40x25x57.....	45 00



SINGLE DOOR, EMBOSSED.

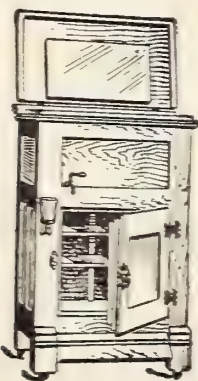
No. 210—25x17x40 ..	\$18 00
211—27x18x42.....	21 50
212—31x20x44.....	27 00
Same, without Water Cooler.	
No. 10—25x17x40.....	\$14 50
11—27x18x42.....	18 00
12—31x20x44.....	23 00



DOUBLE DOOR, EMBOSSED.

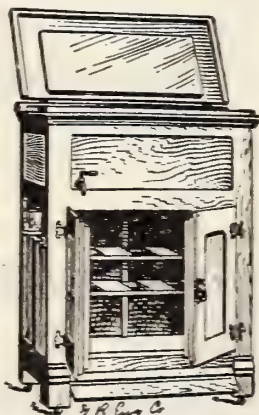
No. 213—33x24x48 ..	\$31 00
214—36x21x49.....	36 00
215—40x24x50.....	42 00
Same, without Water Cooler.	
No. 13—33x24x48.....	\$26 50
14—36x21x49.....	31 00
15—40x24x50.....	37 00

WALLS OF THE ABOVE ARE CHARCOAL FILLED.



SINGLE DOOR.

No. 254—36x23x50.....	\$32 50
Same, without Water Cooler.	
No. 54—36x23x50.....	\$27 00



DOUBLE DOOR.

No. 249—24x16x38 ..	\$14 25
250—27x18x44.....	18 25
251—32x21x47.....	25 50
Same, without Water Cooler.	
No. 49—24x16x38.....	\$10 75
50—27x18x44.....	14 75
51—32x21x47.....	21 50

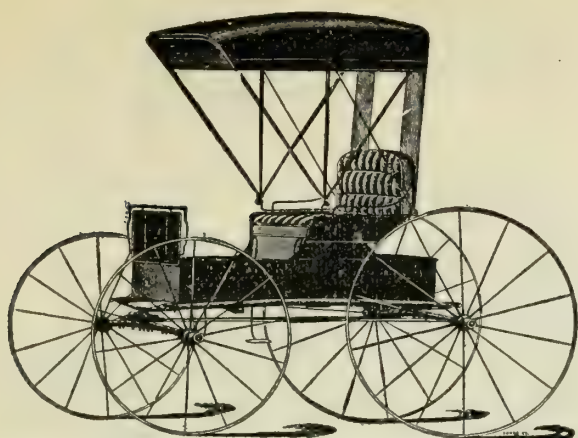


ICE CHESTS.

No. 39—26x18x25.....	\$ 8 00
40—30x18x25.....	9 50
41—34x21x27.....	11 00
42—36x22x31.....	14 50
43—41x25x34.....	17 50
44—44x29x36.....	22 00
45—56x31x41.....	40 00

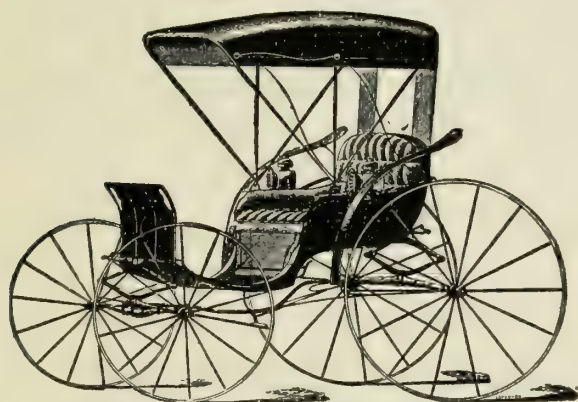
WALLS OF THE ABOVE ARE HOLLOW AND INSULATED WITH CHARCOAL SHEATHING.

Will be pleased to send you special refrigerator catalogue on application.



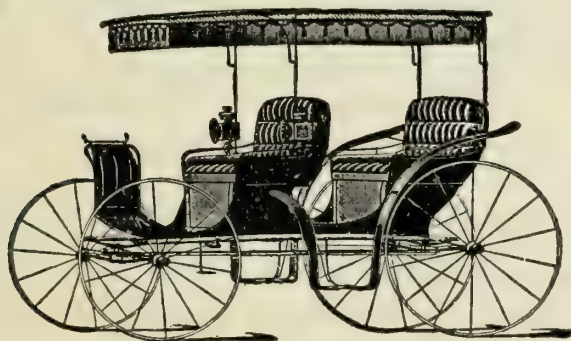
BREWSTER SPRING PIANO BOX BUGGY.

	LIST.	RETAIL.
No. 57, Buggy, with Rubber Top.....	\$85 00	\$50 00
" 57, " " Leather Quarter Top..	90 00	55 00
" 57, " " Full Leather Top.....	105 00	60 00
" 52, " " Rubber Top.....	95 00	55 00
" 52, " " Leather Quarter Top..	100 00	60 00
" 52, " " Full Leather Top.....	115 00	65 00



PHAETON, EXTENSION TOP.

	LIST.	RETAIL.
No. 92, Ladies' Phaeton, Leather Top...	\$184 00	\$105 00
" 93, " " Rubber Top.....	195 00	108 00
" 99, Phaeton, has no fenders.....		
" 99 " Rubber Top.....	120 00	70 00
" 99 " Leather Stay and Quarter Top.....	125 00	72 50
No. 99, Phaeton, 3/4 Leather Top.....	127 00	73 50
" 99, " Full Leather Top.....	135 00	77 50

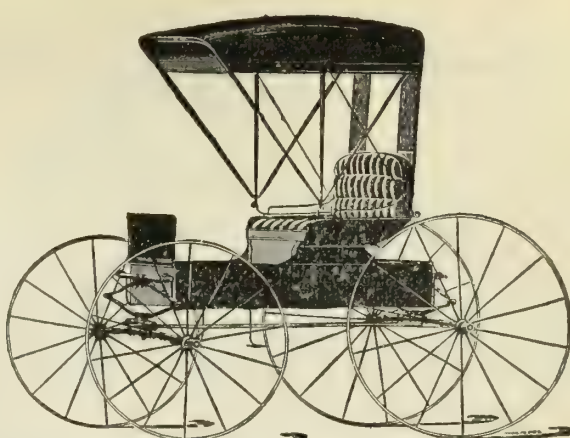


BREWSTER SPRING CANOPY TOP SURREY.

No. 111. 1 1-16 double collar swayed steel axles. Shell band. Warner or Sarven wheels; 3/4 or 1 in. tread; upholstered in cloth or imitation leather; rubber side curtains; body painted black; gear Brewster green or carmine. Can be furnished on Elliptic springs if desired.
 Price List, \$130 00 Retail, \$75 00
 Extra for fenders..... 6 50

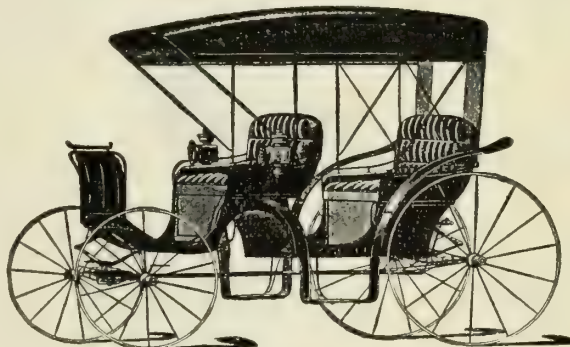
EXTENSION TOP SURREY.

	LIST.	RETAIL.
No. 111 1/2, Rubber Top.....	\$145 00	\$82 50
" 111 1/2, Leather Stay and Quarter Top .	154 00	87 50
" 111 1/2, 3/4 Leather Top.....	160 00	90 00
" 111 1/2, Full Leather Top.....	170 00	100 00
Extra for Fenders.....	\$6 50	



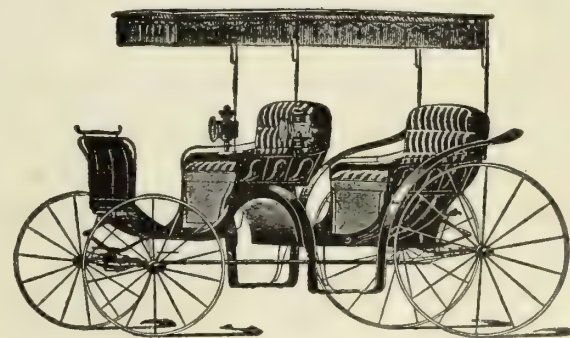
ARCHED AXLE, END SPRING PIANO BOX BUGGY.

	LIST.	RETAIL.
No. — Buggy, with Rubber Top.....	\$85 00	\$50 00
" — " " Leather Quarter Top..	90 00	55 00
" — " " Full Leather Top.....	105 00	60 00
" 51 " " Rubber Top.....	95 00	55 00
" 51 " " Leather Quarter Top..	100 00	60 00
" 51 " " Full Leather Top.....	115 00	65 00



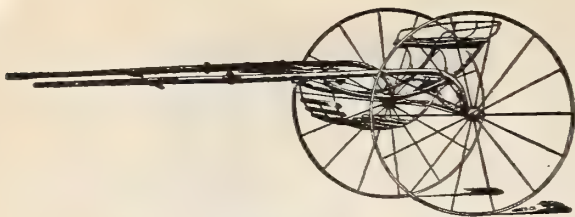
EXTENSION TOP CUT UNDER SURREY.

	LIST.	RETAIL.
No. 88, with Rubber Top.....	\$190 00	\$105 00
" 88, " " Leather Quarter Top.....	200 00	110 00
" 88, " " 3/4 Leather Top.....	210 00	115 00
" 88, " " Full Leather Top.....	220 00	120 00
" 82, " " Rubber Top.....	204 00	112 00
" 82, " " Leather Quarter Top.....	214 00	117 50
" 82, " " 3/4 Leather Top.....	220 00	120 00
" 82, " " Full Leather Top.....	240 00	130 00



END SPRING CUT UNDER SURREY.

No. 82 1/2. Axles 1 1-16 double collar steel; wheels 3/4 or 1 in. tread; shell band or Warner. Rubber curtains; gear painted either Brewster green or carmine. Can furnish with plain sides if desired.
 Price List, \$200 00 Retail, \$110 00



OLD DOMINION CART.

Slat seat; Slat foot rack; Steel arms; Spring slides; 1 in. Axle, double Collar, Steel; $\frac{7}{8}$ Wheels, 4 ft. high; good Hickory Shafts.

LIST... ..\$19.00 RETAIL.....\$10.50

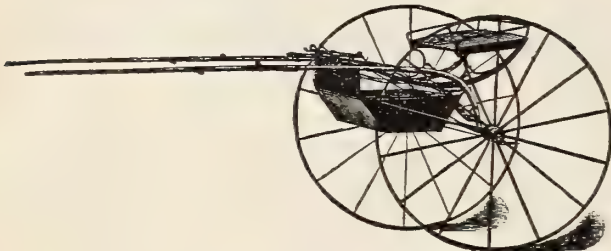


F. F. ROAD CART.

$\frac{7}{8}$ Wheels, 4 ft. high; 1 in. Axle, double Collar, Steel; good Hickory Shafts.

LIST.....\$21.50 RETAIL... ..\$12.75

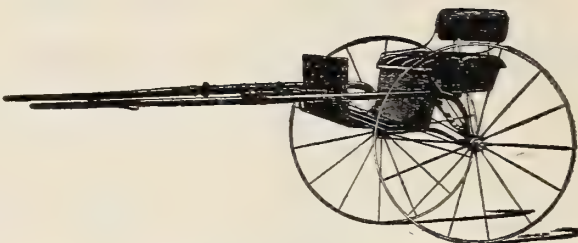
No. O BODY CART.



No. O, BODY CART.

$\frac{7}{8}$ Wheels, 4 ft. high; 1 in. Axle, double Collar, Steel; Spring swings in Shackle; best Hickory Shafts.

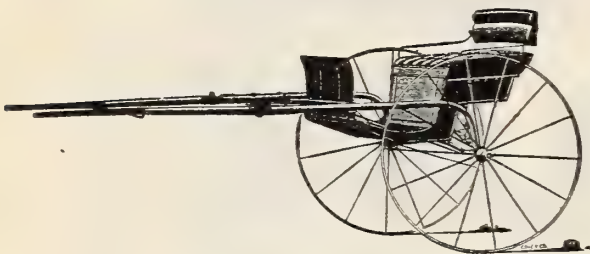
LIST.....\$30.00 RETAIL.....\$18.00



X PHAETON CART.

1 in. double Collar, Steel Axle; $\frac{7}{8}$ Wheels, 4 ft. high; Wood Dash; Box under seat; wide lazy Back; trimmed imitation leather; good Hickory Shafts.

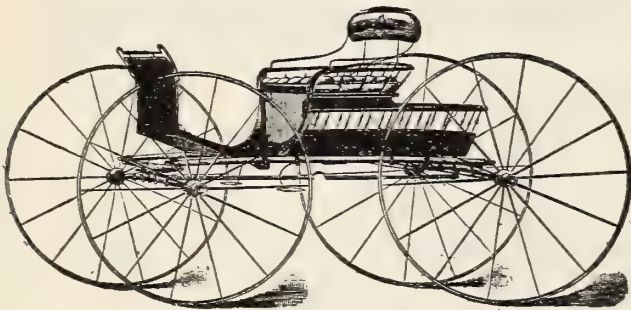
LIST.....\$30.00 RETAIL \$18.00



XX ROAD CART.

1 in. double Collar, Steel Axle; $\frac{7}{8}$ Wheels, 4 ft. high; Box under seat; curved Wood Dash; solid Seat Sides; Cushions separate; wide lazy back; Spring Swings in Shackles; best Hickory Shafts.

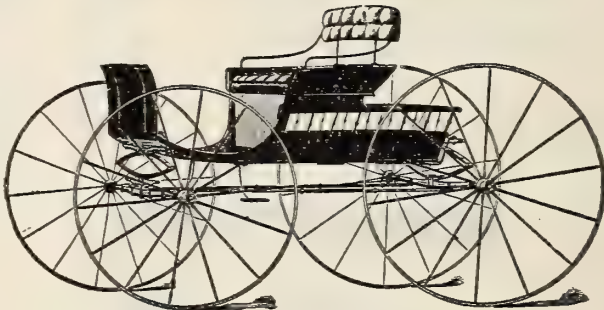
LIST.....\$34 00 RETAIL.....\$20.00



G. & T. GRADE ROAD WAGON.

This Wagon is made with Warner Wheels exclusively, unless *specially* ordered otherwise. $\frac{3}{4}$ or $\frac{1}{2}$ inch tread, nicely finished and an exceedingly fine job for the money.

PRICE, LIST.....\$60.00 RETAIL.....\$35.00



BALTIMORE ROAD WAGON.

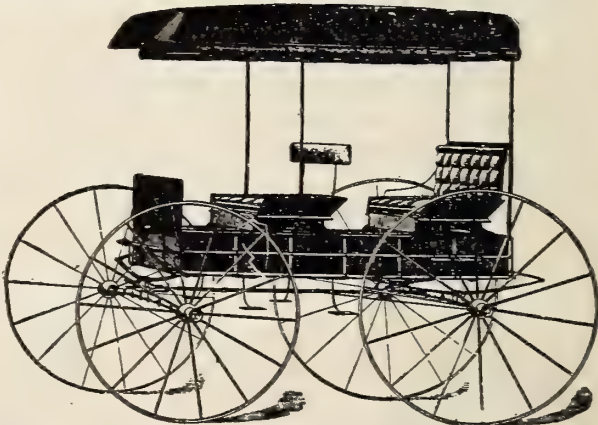
Elliptic Springs 15-16 double Collar, Steel Axles; Warner or Sarven Wheels: $\frac{3}{4}$ or $\frac{1}{2}$ in. tread; finished in natural wood or painted. Cut shows wood dash-board, but goods are now made with leather dash.

PRICE, LIST.....\$60.00 RETAIL..... \$35 00

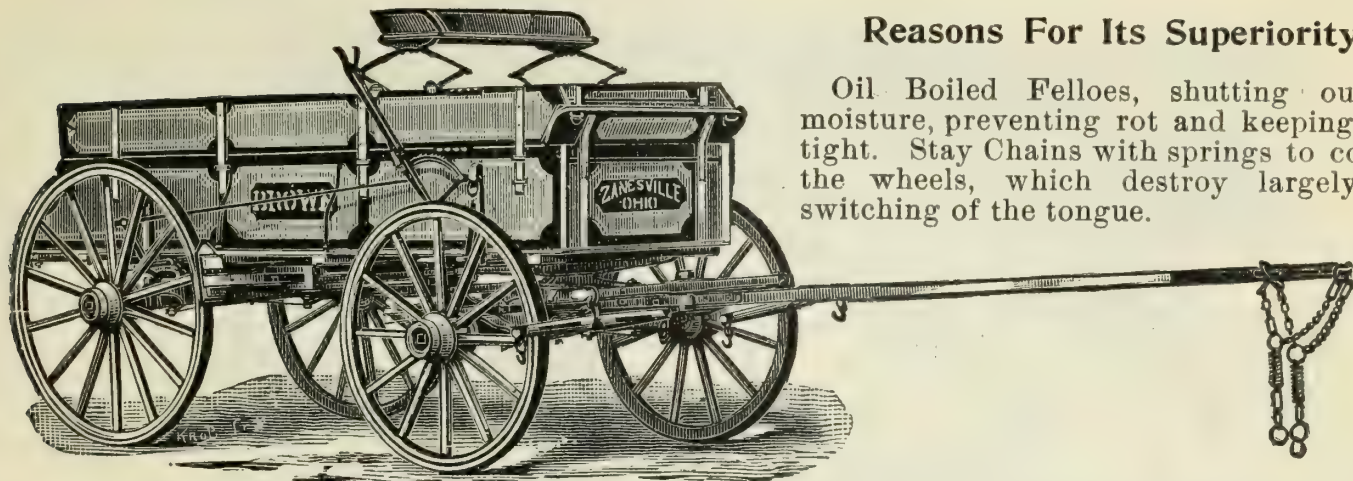
THREE SPRING AND BREWSTER SIDE
BAR DAYTON.

No. 1—Length of Body, 5 ft. 10 in., width 2 ft. 10 in.; Wheels, 3 ft. 9 in. and 3 ft. 5 in., Warner or Shell band; Tire, 1x $\frac{1}{4}$ in. Steel; Axle, 1 1-16 in. Steel, oil tempered. Finished in natural wood or painted if desired.

PRICE, LIST\$115.00
" RETAIL 65.00



THE BROWN WAGON.



Reasons For Its Superiority.

Oil Boiled Felloes, shutting out all moisture, preventing rot and keeping tires tight. Stay Chains with springs to control the wheels, which destroy largely the switching of the tongue.

To overcome the objections in tongue chains, as commonly used, Coil Springs have been applied to ease the draft on the team's neck, when the chains are forced to control the tongue or hold back. Branch Chains have also been added to each tongue chain. A Branch Chain is to destroy, as far as possible, the side jerking, and to protect the horse from the whipping motion of the tongue. The Coil Springs yield to either the pull of the chain or branch, saving the team at all times from the sudden jerking of the tongue, protecting both horses and harness. The Branch Chains have a tendency to prevent side motion of the tongue—same as neck yoke, but less cramping for the horses—while the Coil Springs supply the place of the vibrating of the neck yoke to ease the team's neck. Only wagon with Yielding Tongue Chains with Check Branches.

Skein and Axle Different from all Others.

Our Extension Shoe Skein is one of the greatest improvements on wagons during the last fifty years, as it protects the axle as well as the skein, allowing the axle to be made of less material. The shoe of the skein supports the axle where it has the greatest load to bear, and is superior to the steel skein, as it allows a greater quantity of the axle to enter the shoe of the skein.

The skein is also chilled on its face, and will wear longer than a steel skein. The steel skein has no temper in it, and is as soft as iron, as it is required to be welded to make it.

Number, Size and Capacity of Wagons.

No. 000, Complete with gear brake, top box and seat. Capacity 1800 to 2000 lbs..	Price, \$62 50
No. 00 Is a 2½x8½ in. skein; 7½x8½ in. hub; 1½x½ in. tire; body 9 ft. by 12 to 14 in. deep inside, with gear brake, top box and seat. Capacity, 2000 to 2500 lbs.....	“ 65 00
No. 1 Is a 3x9 in. skein; 8x9 in. hub; 1½x½ in. tire; body 9 to 9½ ft. long; 13 to 15 in. deep inside, with gear brake, top box and seat. Capacity, 3000 lbs	“ 67 50
No. 2 Is a 3½x10 in. skein; 8½x10 in. hub; tire 1½x½ or ¾; body 10 ft. long by 15 to 16 in. deep inside, with gear brake, top box and seat. Capacity, 3500 lbs.....	“ 70 00
No. 3 Is a 3½x11 in. skein; 9x11 in. hub; 1½x½ or ¾ in. tire; body 9½ or 10ft. long, and 15 to 18 in. deep inside, with gear brake, top box and seat. Capacity, 4500 lbs.....	“ 72 50
One-Horse Wagon--Is a 2½x8 in. skein; 7x8 in. hub; tire 1½x¾ in. Capacity, 1800 lbs. Has gear brake, top box and seat.....	“ 50 00

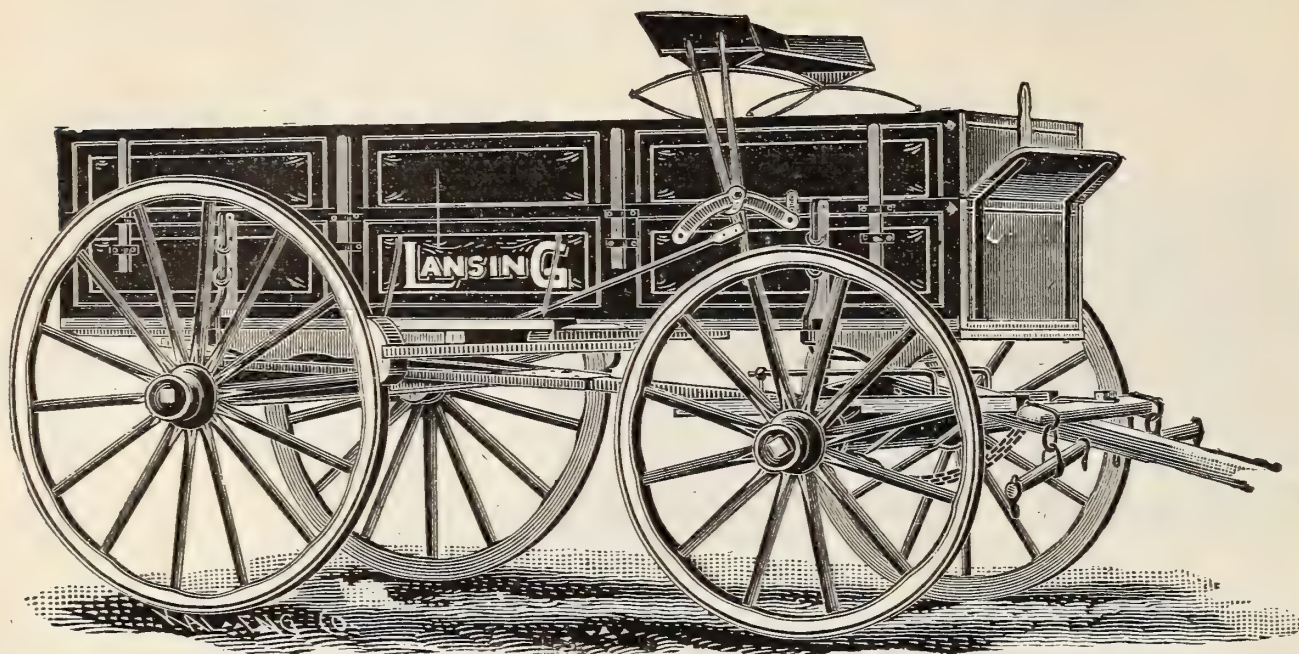
In addition to above line of wagons, the Company are building for us a special line of steel skein lynch pin Gears, with 4 inch tires. Prices, &c., as follows, viz:

No. 3, 3½x11 skeins; capacity, 5000 lbs	Price, \$75 00
No. 4, 3½x12 skeins; capacity, 6000 to 7000 lbs.....	“ 80 00
No. 5, 4x12 skeins; capacity, 7000 to 8000 lbs.....	“ 85 00

Depth of body given on all wagons above does not include top box, which is 6, 8, 10 or 12 inches deep. Tubular Axle Wagons furnished upon application. When 4-inch tires are wanted, add \$10.00 to above, net; when 3-inch tires are wanted, add \$6.00 to above, net; when wagon gears only (without body) are wanted, deduct \$10.00 from above prices.

WRITE FOR SPECIAL WAGON CATALOGUE.

THE LANSING WAGON.



One of the **lightest running**, most substantially **ironed** and **finished** Wagons on the market. Wheels boiled in **linseed oil** before the tire is set, and every Wagon is fully **warranted** against defects in either material or workmanship.

RETAIL PRICES AS FOLLOWS.

Size of Skein.	Size of Tire.	Capacity, Cast Skein.	Brake. Gear.	Price, Cast Skein. Gear Brake.	Capacity, Steel Skein.	Price, Steel Skein.
2½ x 8	1½ x 1	2000	..	\$59 00	2500	\$62 50
2¾ x 8	1¾ x 1	2500	..	60 00	3000	64 00
3 x 9	1½ x 2	3000	..	61 50	3500	66 50
3¼ x 10	1½ x 9-16	3500	..	62 50	4000	69 00
3½ x 11	1½ x 8	4000	..	65 00	5000	71 00
3¾ x 12	1¾ x 8	5000	..	69 00	6000	75 00
4 x 12	2 x 4	6000	..	72 00	8000	81 00

1½ inch Steel Axle One-Horse Wagon, 1200 lbs. capacity, with Body Brake, \$40.00

Above prices include Double Box, Seat, Whiffletrees and Gear Brake top of hounds.

If gear only is wanted, deduct \$10.00 from above prices.

For Wide Tire add to above prices on Wagons as follows:

For 2 x $\frac{5}{8}$ " inch Tire add.....	\$3 00	For 3 x $\frac{5}{8}$ " inch Tire add....	\$6 00	For 4 x $\frac{3}{4}$ " inch Tire add.....	\$10 00
For 2½ x $\frac{3}{8}$ " "	4 50	For 3½ x $\frac{3}{8}$ " "	8 00	For 3 x $\frac{7}{8}$ " "	12 00
12 inch Lower Box, no seat....	\$10 00	8 inch or 10 inch Top Box.	\$2 00	Gear Brake, complete.....	\$5 50
14 " "	11 00	Spring Seat.....	3 00	Rear Brake attachment.....	4 00

LIST PRICES ON LANSING WAGONS COMPLETE.

Size of Skein.	Size of Tire.	Price, with Cast Skeins.			Price, with Steel Skeins.		
		Capacity.	Price, without Gear Brake.	Price, with Gear Brake.	Capacity.	Price, without Gear Brake.	Price, with Gear Brake.
2½ x 8	1½ x ½	2000	\$90 00	\$98 00	2500	\$96 00	\$104 00
2½ x 8	1½ x ¾	2500	92 00	100 00	3000	98 00	106 00
3 x 9	1½ x ¾	3000	94 00	102 00	3500	102 00	110 00
3½ x 10	1½ x 9-16	3500	96 00	104 00	4000	106 00	114 00
3½ x 11	1½ x 2	4000	100 00	108 00	5000	110 00	118 00
3½ x 12	1½ x 2	5000	106 00	114 00	6000	116 00	124 00
4 x 12	2 x ¾	6000	112 00	120 00	8000	126 00	134 00

If Gear only is wanted, deduct for Lower Box, \$12.00; Top Box, \$2.00; Seat, \$4.00, from above list prices.

LIST PRICES ON EXTRAS.

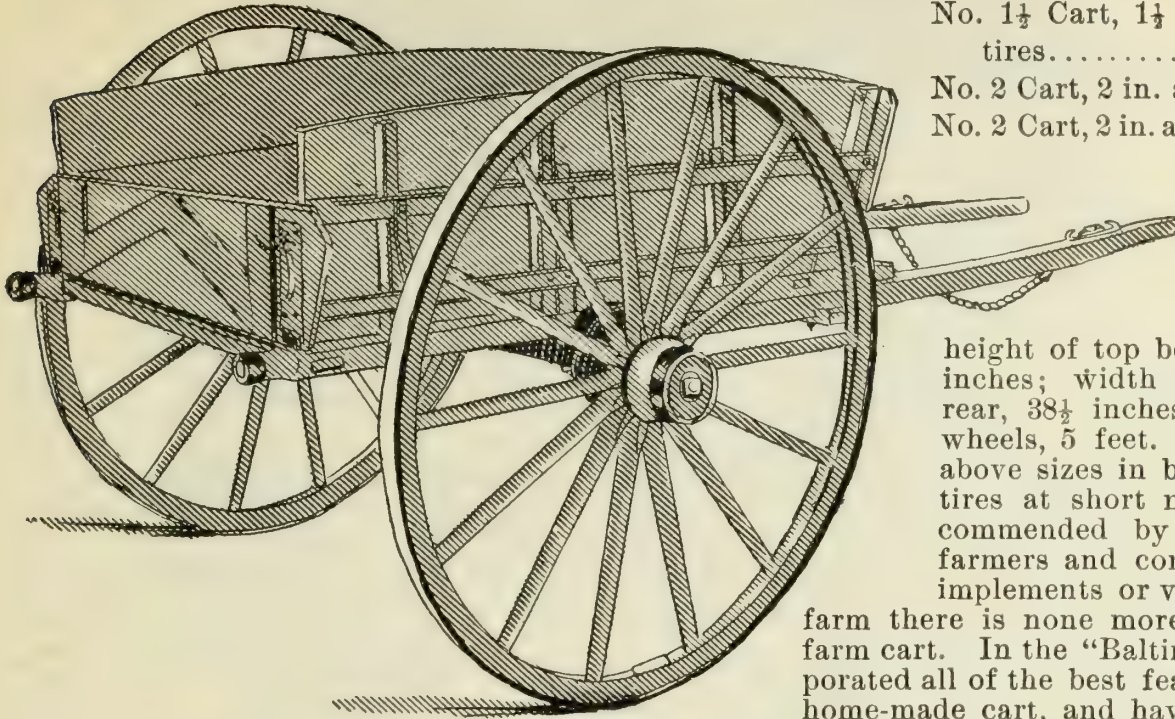
Gear Brake, complete, \$8.00; Rear Brake Attachments, \$6.00; Body Brake, complete, \$5.00.

When wanted with Wide Tire, add as follows:

Thickness.	2" wide.	2½" wide.	3" wide.	3½" wide.	4" wide.
2"	\$2 00	\$4 00	\$6 00	\$8 00	\$10 00
2½"	3 40	5 70	8 00	14 40	12 70
3"	4 80	7 40	10 00	12 80	15 40
3½"	6 20	9 10	12 00	15 20	18 10
4"	7 60	10 80	14 00	17 60	20 80
4½"	9 00	12 50	16 00	20 00	23 50

WRITE FOR SPECIAL WAGON CATALOGUE.

Baltimore Farm and Contractors' Carts.



No. 1½ Cart, 1½ in. axle, 2 in. tires.....\$35 00
 No. 2 Cart, 2 in. axle, 2 in. tires, 38 00
 No. 2 Cart, 2 in. axle, 3½ in. tires, 40 00

ALL of first-class material with 1½ and 2 in. iron axles. Dimensions of No. 2 Cart: height of body, 10½ inches;

height of top box or sideboards, 6½ inches; width in front, 37 inches; rear, 38½ inches (inside); height of wheels, 5 feet. Can furnish any of above sizes in both wide and narrow tires at short notice. Used and recommended by a large number of farmers and contractors. Of all the implements or vehicles in use on the

farm there is none more necessary than the farm cart. In the "Baltimore" we have incorporated all of the best features of the old style home-made cart, and have to-day, beyond any question of doubt, the best article of the kind

made. Our Contractors' Carts are strong and durable, well braced and specially made for heavy work. In all of our Carts we retain the old trap stick, as you will see from above, and for which there has never been any good substitute made.

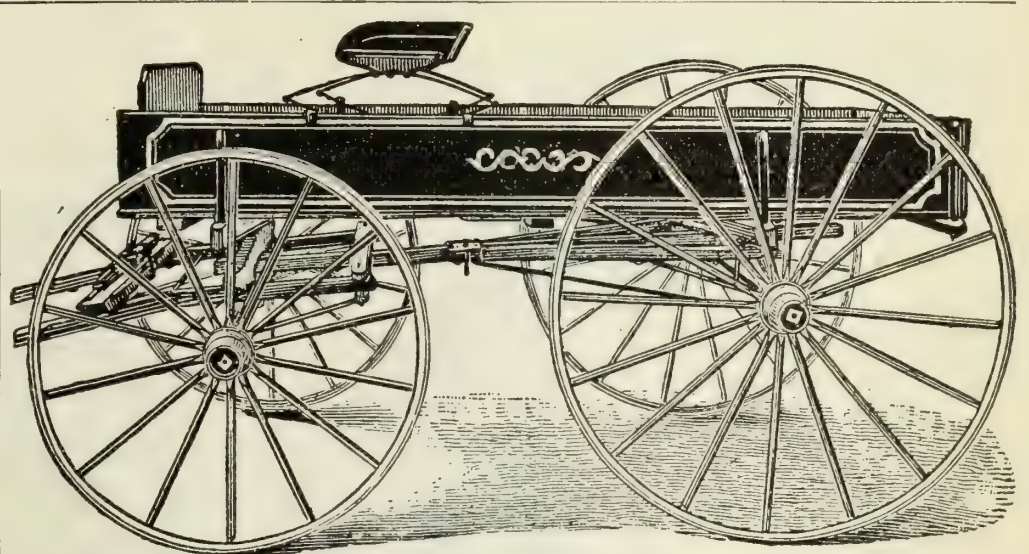
Having sold these goods extensively throughout Maryland, Pennsylvania, New York and the South, we are prepared to say that we have just what the Farmers and Contractors need, and believe that we can offer as much for the money as any other manufacturer in the country.

A New Departure.

During the season just passed we made a number of shipments of Carts to Coal Dealers in the North and West, and are pleased to state that we have not had a single bad report. This has opened up an altogether new branch of trade, and we will be pleased to correspond with parties wanting to purchase Carts for this purpose.

Carts for Export.

Built to order at short notice and at very low figures. As this trade requires a special Cart we do not keep them made up, but can furnish same in a reasonably short time.



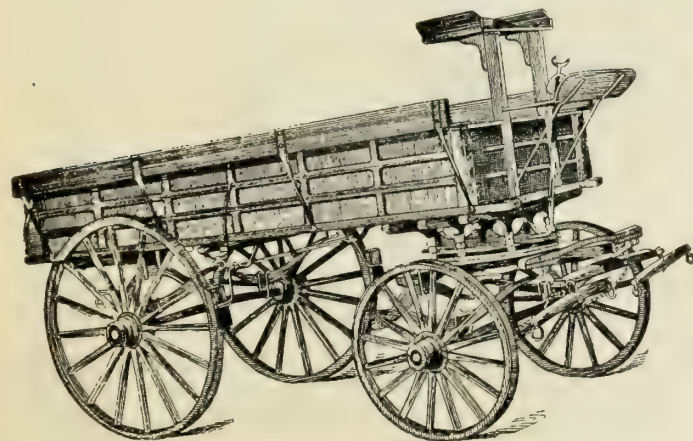
BALTIMORE ONE HORSE WAGON.

With 1½ in. steel axle, 1000 lbs. capacity.....\$35.00

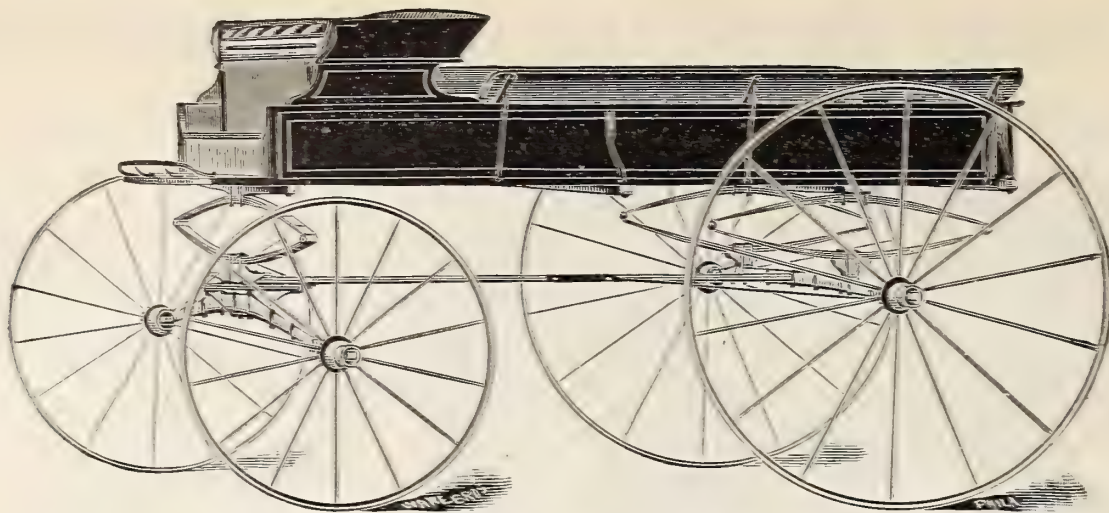
Baltimore Truckers' Wagon

THIS Wagon possesses a number of advantages over any that we have seen, as follows, viz: The body has two rails on the side, studs ¾ x 1 in., solid corner posts, hardwood end-gate, tires 2½ x ½ in., and axles 2 in. in rear and 1½ in. in front. It is the best proportioned, best braced and best finished wagon on the market.

PRICE.....\$175.00



Can Furnish a Line of Lower Priced Spring Wagons if Wanted.



NO TOP WAGON.

No. 23. THREE SPRING GEAR.—1½ in. Steel covered Axles; Gautier Steel Tires; Wheels, Warner patent, X grade, 1½ in. tread, 1½ in. spoke; body 7 ft. long, 3 ft. 3 in. wide, inside measure. Gear painted red or yellow; body green and carmine. Shafts only. Capacity 1000 lbs. PRICE.....\$70.00 BRAKE.....\$6.00

No. 24. Same style and finish as above.—1½ in. Steel Concord Axles; Gautier Steel Tires; Wheels, Warner patent, X grade, 1½ in. tread, Cupped Hubs. Body 7 ft. 6 in. long, 3 ft. 3 in. wide inside. Painting same as above. Capacity 1400 lbs. PRICE.....\$72.00 BRAKE.....\$6.00

No. 25. PLATFORM GEAR.—Low Front Wheels, 1½ in. Concord Axles; Gautier Steel Tires; Warner Wheels, X grade, 1½ in. tread. Body 7 ft. long, 3 ft. 3 in. wide inside. Painting as above. Capacity 1000 lbs. PRICE.....\$80.00 BRAKE.....\$6.00

No. 26. Same style and finish as No. 25.—One size heavier; measurements in proportion. Capacity 1400 lbs. PRICE.....\$82.00 BRAKE.....\$6.00

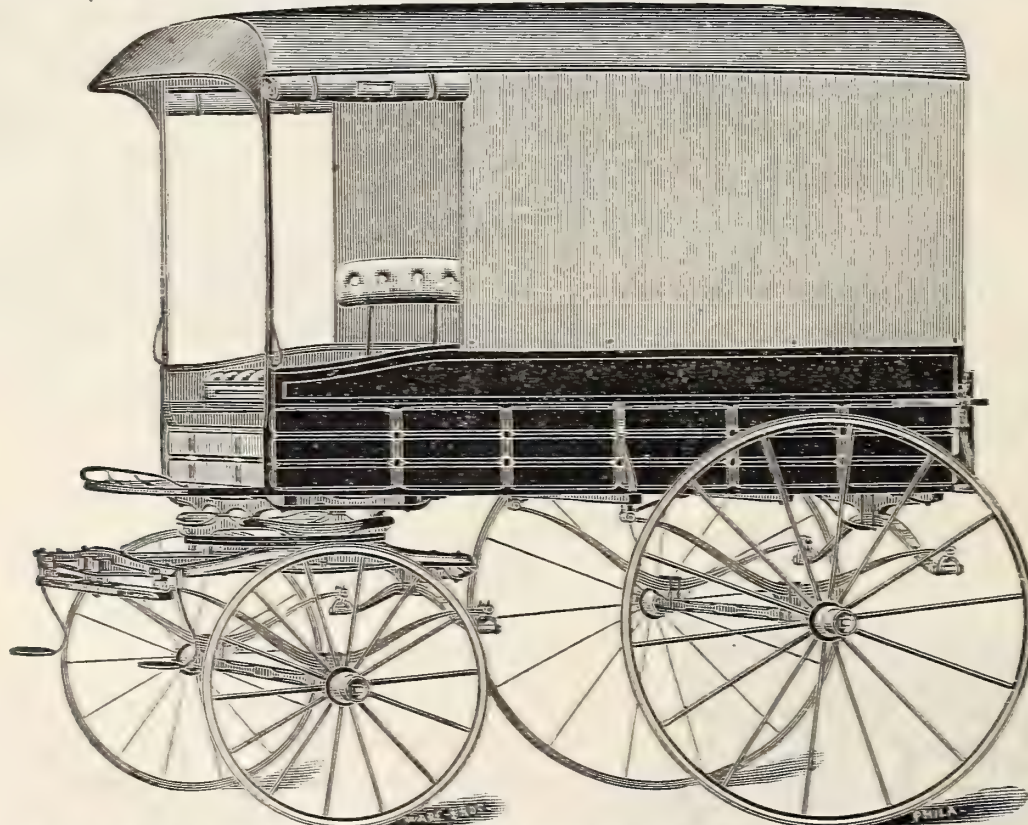
TOP DELIVERY WAGON.

No. 30. THREE SPRING GEAR.—Made in three sizes. 1 in. Steel Concord Axles; Gautier Steel Tires; Warner Wheels, X grade, 4 in. tread. Body, plain sides 6 ft. 3 in. long, 3 ft. 1 in. wide inside measure. Gear red or yellow, body green and carmine. Capacity 700 lbs. PRICE.....\$70.00 BRAKE.....\$6.00

TOP WAGON.

No. 33. THREE SPRING GEAR.—1½ in. Steel Concord Axles; Gautier Steel Tires; Warner Wheels, X grade, 1½ in. tread. Body, ribbed sides, 6 ft. 9 in. long, 3 ft. 3 in. wide inside. Black oil back or white duck. Gear red or yellow, body green and carmine. PRICE.....\$75.00 BRAKE.....\$6.00

No. 34. Same style and finish as No. 33.—One size heavier, measurements in proportion. Capacity 1400 lbs. PRICE.....\$80.00, SHAFTS ONLY. BRAKE.....\$6.00 POLE.....\$9.00

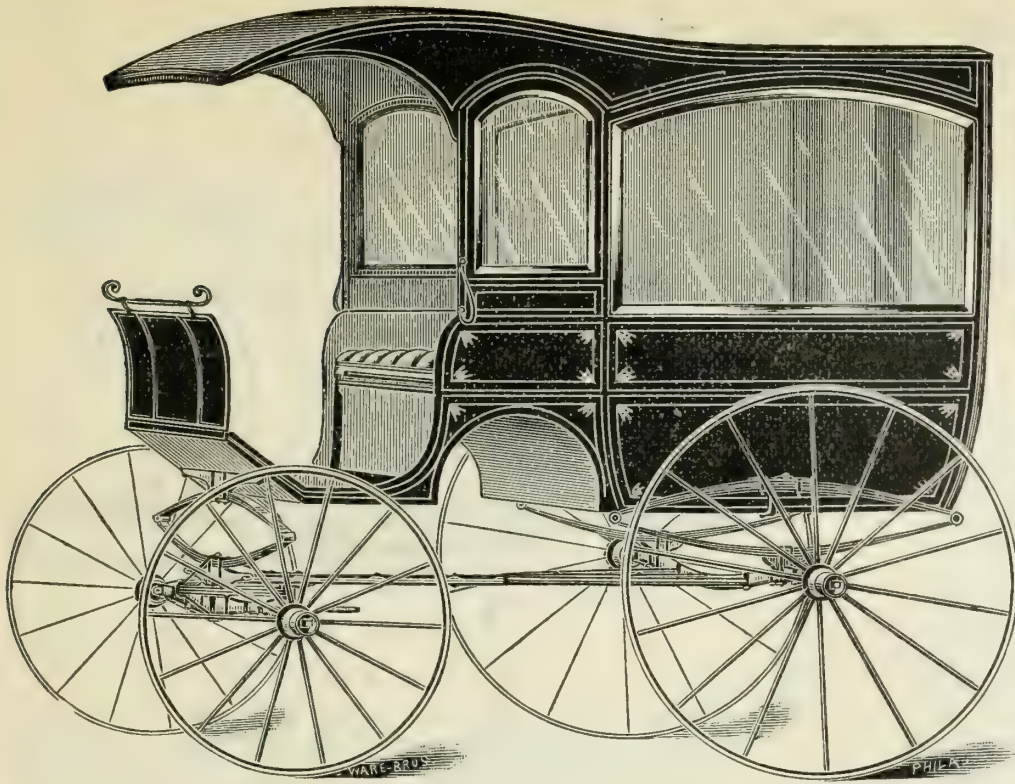


PLATFORM DELIVERY WAGON.

No. 37. 1½ in. Steel Concord Axles; Gautier Steel Tires. Warner or Sarven Wheels, 1½ in. tread; Cupped hubs. Body 7 ft. long, 3 ft. 5 in. wide inside; end gate. Heavy oil back, duck. Gear red or yellow, body green and carmine. Capacity 1400 lbs. PRICE.....\$95.00, SHAFTS ONLY. POLE.....\$9.00 BRAKE.....\$6.00

No. 38. Same style and finish as No. 37.—Axles and wheels ½ in. heavier. Painting and trimming same as No. 37. Capacity 2200 lbs. PRICE.....\$112.00 POLE.....\$9.00 BRAKE.....\$7.50

CAN FURNISH A LINE OF LOWER PRICED WAGONS IF WANTED.



FLORIST WAGON.

1½ in. Steel Concord axles, Warner wheels; Gautier steel Tires, 1½ in. tread; body 5 ft. 3 in. long from front seat; trimming, leather cushion and back; gear, cream or vermillion; body, rich and attractive colors. Bevel plate glass at sides, full doors at rear.

Price, - - - \$135.00

EXPRESS WAGON WITH SHIFTING TOP.

No 80—1½ in. Concord axles, steel; Gautier steel tires; Warner and Sarven wheels; 1½ in. tread, cupped hubs. Body 8 ft. long, 3 ft. 7 in. wide, 14 in. deep inside. Gear, red

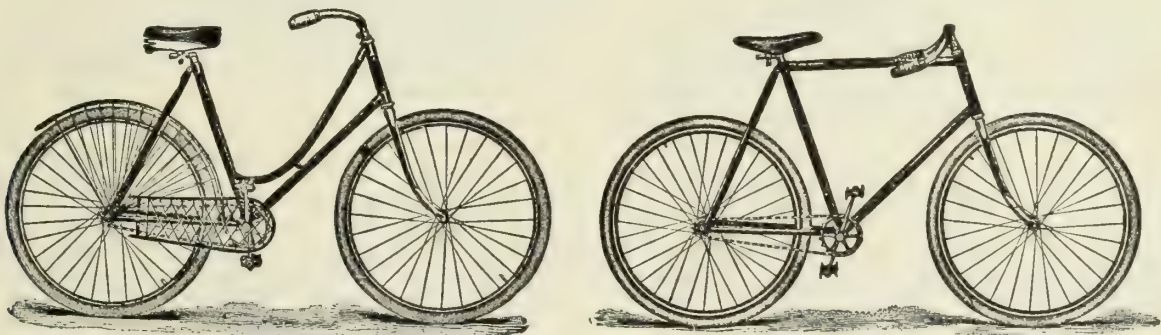
or yellow; body, green or red, handsomely striped and well finished. Chain or strap end-gate. Shafts only.

Capacity, 2100 lbs. Price, \$150.00. Pole, \$9.00. Brake, \$7.50.

The top is made to be lifted off, post-hinged at top rail, can be folded, taking small space. Top covered, heavy sail cloth duck secured to top frame with straps and when not in use can be taken off and folded away.

No. 81—Same style as No. 80. Capacity, 3200 lbs. Axles and wheels ¼ inch heavier. 1½ inch tread. Trimming and painting same as No. 80, also trimming and make of top. Shafts only.

Capacity, 3200 lbs. Price, \$165.00. Pole, \$9.00. Brake, \$9.00.



THE GRIFFITH & TURNER BICYCLE.

Price, \$60 00 Brake, \$2.00

FRAME—Diamond pattern, 1¼, 1½ and ¾ in. seamless steel tubing and drop forged connection, Standard size 24 in.

WHEELS—28 inches, with interlocked wood rims and piano wire spokes.

HUBS—Latest barrel patent, turned from solid bar steel.

SPROCKETS—Forged steel, both detachable, facilitating change to any gear desired. Rear sprocket hardened.

CHAIN—¼ inch, hardened centre and hardened rivet.

CRANKS—Tempered spring steel attached by improved fastening, quickly removed, cannot work loose.

BALL BEARING PARTS—All of best quality tool steel, oil hardened and ground true.

PEDALS—Rat-trap or rubber.

HANDLE BAR—Adjustable, regular drop or raised pattern of large seamless tubing well reinforced.

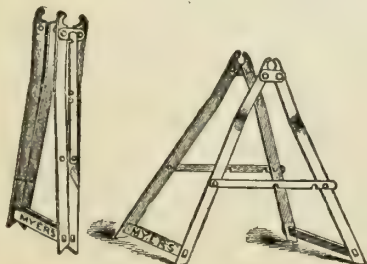
SEAT POST—Regular T pattern, SADDLE—"1896" Hunt or similar pattern.

TIRES—Morgan and Wright, and others. TREAD—Five inches. WEIGHT—23 pounds.

FINISH—Best baked enamel, bright parts heavily nicked on copper.

TOOL BAG—To match saddle, containing wrench, oil can, pump and repair kit.

Safety Bicycle Stand and House Trainer.



This stand enables the customer to mount the wheel to try it, which cannot be said of any other stand. It will not mar the wheel, nor detract from it. Weighs 4½ pounds; Spring steel; will carry 200 pound man; will fit any wheel; can be used as a House Trainer; attaches securely to wheel and cannot be shaken off; folds in a compact bundle for shipping without taking apart.

PRICE.....\$1.25

BICYCLES REPAIRED AT REASONABLE PRICES.

HARNESS.

No. 1, SINGLE BUGGY.

Bridles, $\frac{5}{8}$ inch; Traces, 1 inch; saddle; $2\frac{1}{2}$ inches; Breast Collar and Breeching, single leather; Flat Lines, with Web Hand-parts; X-C Mounting. Price, with Collar and Hames, \$7.00; with Breast Collar, \$6.50.

No. 2, SINGLE BUGGY.

Bridle, $\frac{5}{8}$ inch; Trace, $1\frac{1}{2}$ inches; Saddle, 3 inches, with Nickel Hook and Terrets; Breast Collar and Breeching folded with Straight Lay; Flat Lines; X-C Mounting; Imitation Hand Stitched. Price, with Collar and Hames, \$10.00; with Breast Collar, \$9.00.

No. 5, SINGLE BUGGY.

Bridle, $\frac{5}{8}$ inch; Trace, $1\frac{1}{2}$ inches; Saddle, 3 inches; Breast Collar and Breeching, Folded with Straight Lay; Flat Lines; X-C Mounting, with Nickel Hook and Terrets; Imitation Hand Stitched. Price, with Collar and Hames, \$11.50; with Breast Collar, \$10.00.

No. 4, SINGLE CARRIAGE.

Bridle, $\frac{5}{8}$ inch; Traces, $1\frac{1}{4}$ inches; Saddle, $3\frac{1}{2}$ inches; Breast Collar and Breeching, Folded with Straight Lay; Flat Lines; X-C Mounting; Imitation Hand Stitched. Price, with Collar and Hames, \$11.75; with Breast Collar, \$10.50.

No. 5, SINGLE CARRIAGE.

Bridle, $\frac{3}{4}$ inch, Chain Front; Traces, $1\frac{1}{4}$ inch; Saddle, 4 inches; Breast, Collar and Breeching, Folded with Straight Lay; Flat Lines; Nickel Hook and Terrets, and balance of Mounting X-C; Imitation Hand Stitched. Price, with Collar and Hames, \$14.00; with Breast Collar, \$12.50.

No. 6, SINGLE CARRIAGE.

Bridle, $\frac{5}{8}$ inch, Front; Trace, $1\frac{1}{2}$ inches; Saddle, 3 inches, Hand Laced, Leather Lined; Breast Collar and Breeching, Folded with Wave Lay; Flat Lines; Full Nickel or Imitation Rubber Mounting; Imitation Hand Stitched. Price, with Collar and Hames, \$15.50; with Breast Collar, \$13.00.

No. 7, HAND-MADE SINGLE BUGGY.

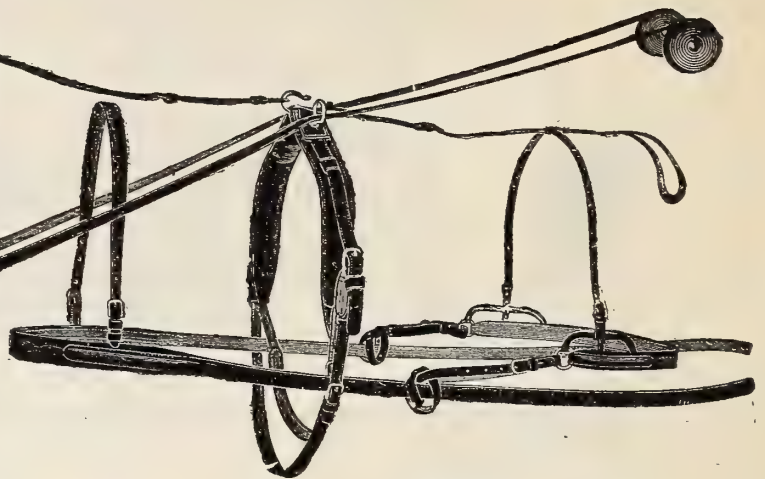
Bridle, $\frac{5}{8}$ inch; Traces, $1\frac{1}{2}$ inches; Saddle, 3 inches, Hand Laced, Leather Lined; Breast Collar and Breeching, Folded with Wave Lay; Flat Lines; Full Nickel or Imitation Rubber Mounting; Hand Stitched. Price, with Collar and Hames, \$21.00; with Breast Collar, \$18.50.

No. 100, EXPRESS.

Bridle, $\frac{3}{4}$ inch; Traces, $1\frac{1}{2}$ inches; Saddle, 4 inches; Red Wood Hames, with X-C Ball Top; Folding Breeching, with Straight Lay; Double Hip Straps; X-C Mounting. Price, \$14.50.

No. 101, EXPRESS.

Bridle, $\frac{3}{4}$ inch; Traces, $1\frac{1}{2}$ inches, with Cockeyes; Saddle, 4 inches, with Kersey Lining; Red Wood Hames with Brass Ball Top; Folded Breeching, with Straight Lay, Double Hip Straps; Brass Mounting; Imitation Hand Stitched. Price, \$19.00.



No. 102, EXPRESS.

Bridle, $\frac{3}{4}$ inch; Traces, $1\frac{1}{2}$ inches, to buckle to Hames, or with Heel Chains and attached to Hames; Saddle, $4\frac{1}{2}$ inches, with Kersey Lining; Folded Breeching, with Straight Lay; Double Hip Straps; Brass or Nickel Mounting; Imitation Hand Stitched. Price, \$22.50.

No. 200, DOUBLE BUGGY.

Bridles, $\frac{5}{8}$ inch; Traces, 1 inch; Fancy Bound Pads; $1\frac{1}{4}$ Side Pieces and Folded Bellybands; Turnbacks, $\frac{3}{4}$ inch; Hip Strap, $\frac{5}{8}$ inch, with Patent Leather Drops; Flat Lines; Kip Collars; X-C Mounting. Price, \$17.50.

No. 201, DOUBLE BUGGY.

Bridles, $\frac{5}{8}$ inch, Imitation Chain Front; Traces, $1\frac{1}{2}$ inches; Fancy Bound Pads under same; $1\frac{1}{4}$ inch Side Pieces and Folded Bellybands; Turnback, $\frac{3}{4}$ inch; no Hip Strap; Flat Lines; Patent Leather Collars; Full Nickel or Imitation Rubber Mounting; Imitation Hand Stitched. Price, \$25.00.

No. 202, DOUBLE BUGGY.

Bridles, $\frac{5}{8}$ inch; Traces, $1\frac{1}{2}$ inches; Plain Pads, with Leather Housings under same; $1\frac{1}{4}$ inch Side Pieces; Folded Bellybands; Turnback, $\frac{3}{4}$ inch, waived; Flat Lines; Patent Leather Collars; Nickel or Imitation Rubber Mounting; Imitation Hand Stitched, nicely Finished. Price, \$30.00.

No. 300, DOUBLE WAGON.

Bridle, $\frac{3}{4}$ inch; Harness Leather Winkers; Ball Top Hames; $1\frac{1}{2}$ inch Traces, riveted to Hames, with Chain Ends; Folded Pad and Breeching; $\frac{3}{4}$ -inch Double Hip Strap; Kip Face Collars; Flat Lines. Price, \$20.00.

No. 301, DOUBLE WAGON.

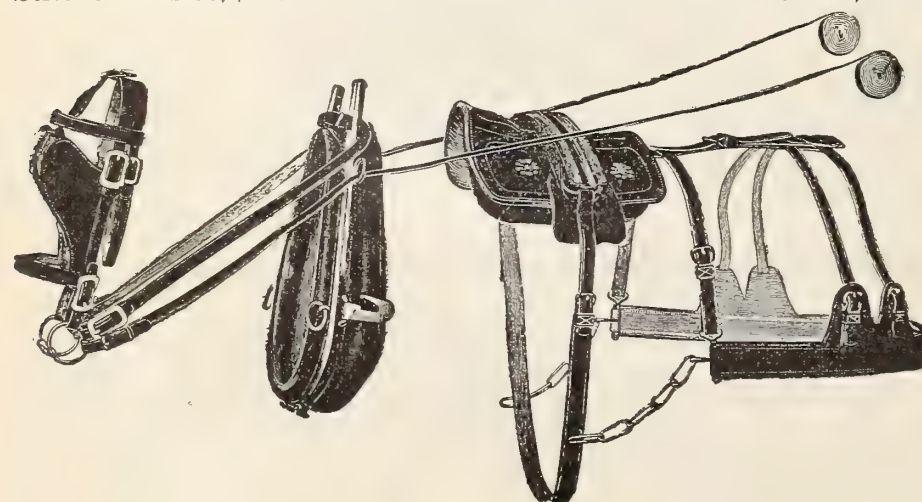
Bridle, $\frac{3}{4}$ inch, Patent Leather Winkers; Ball Top Hames; $1\frac{1}{2}$ -inch Traces, riveted to Hames, with Chain Ends; Folded Pads and Breeching; $\frac{3}{4}$ Double Hip Strap; Kip Collars; Flat Lines; Imitation Hand Stitched. Price, \$26.00.

No. 302, HEAVY DOUBLE WAGON.

Bridle, $\frac{3}{4}$ inch, Patent Leather Winkers, Box Loop Checks; Brass Ball Top Hames; 2-inch Traces, riveted to Hames, with Chain Ends; Heavy Pads and Breeching; 1 inch Double Hip Strap; Kip Collars; Flat Lines; Imitation Hand Stitched. Price, \$34.00.

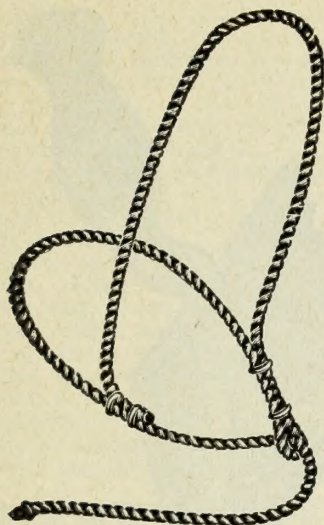
No. A, DUMP CART.

Bridle, $\frac{3}{4}$ inch; Lines, $\frac{3}{4}$ inch; Breeching, 3 inches; No. 5 Saddle, Leather Covered; No. 62 Iron Bound Hames, $\frac{3}{4}$ Hame Straps; Tug Chains; Kip Team Collar. Price, \$10.00. Prices on cheap Cart Harness on application.



HALTERS.

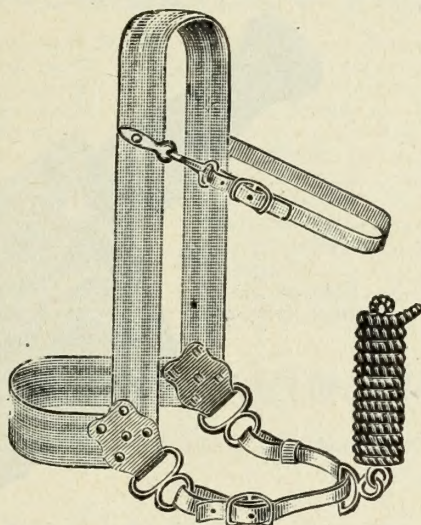
ROPE HALTER.



Price.
No. 684— $\frac{1}{2}$ -in. Jute Rope....20c.
No. 686—7-16-in. Jute Rope.15c.
No. 688— $\frac{1}{2}$ -in. XX Sisal
Rope 20c.
No. 690— $\frac{1}{2}$ -in. Manilla Rope.30c.
No. 692— $\frac{1}{2}$ -in. Sisal Rope...25c.

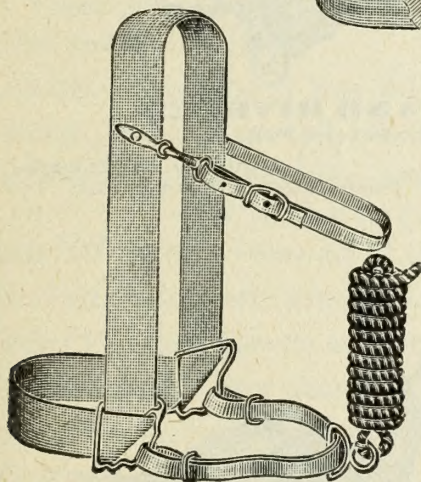
Fancy Striped No. 1 Web Extra Heavy Halters.

Corners bound with leather riveted to ring loops.
Leather chin piece with buckle. Rope lead, leather latch and snap.
Price, 40 cents.



No. 1 WEB HALTERS.

Continuous piece No. 1 Web through metal corners.
Leather chin piece.
Rope lead, leather latch with snap.
Price 30 cents.

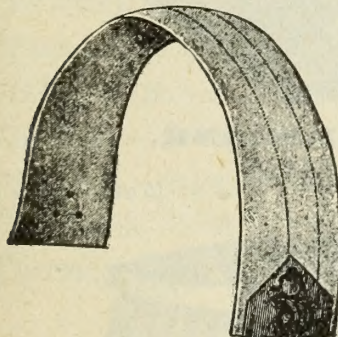


Folded Duck Back Bands.

PATENT HOOKS.

Can be used with either chain or rope traces. Our goods are full length; shorter lengths can be sold for less money.

PRICE, 60 CENTS.



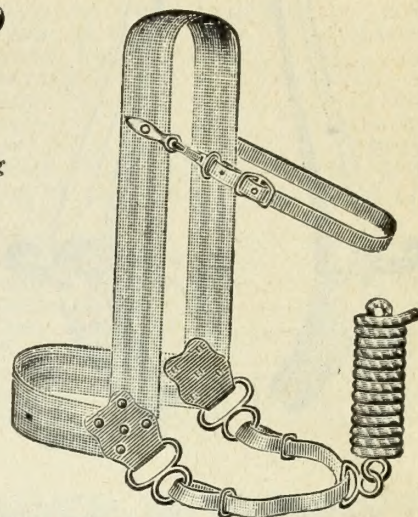
HAME STRINGS.

Black, $\frac{3}{4}$ in.	10 cts each.	\$1 00 per doz.
" $\frac{1}{2}$ in.	12 " "	1 25 " "
R. Hide, $\frac{3}{4}$ in.	12 " "	1 25 " "
" $\frac{1}{2}$ in.	15 " "	1 50 " "

FANCY STRIPED HALTERS.

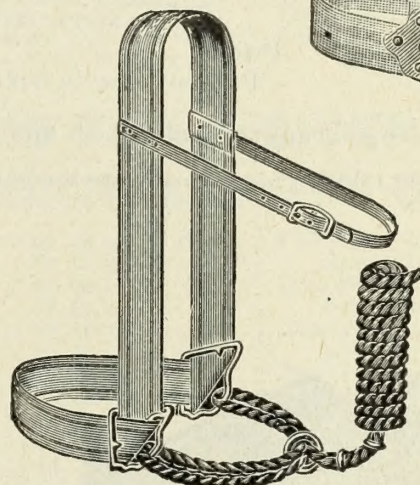
Corners bound with leather riveted to ring loops. Leather chin piece. Rope lead. Leather latch. Snap.

Price, 35 cts.



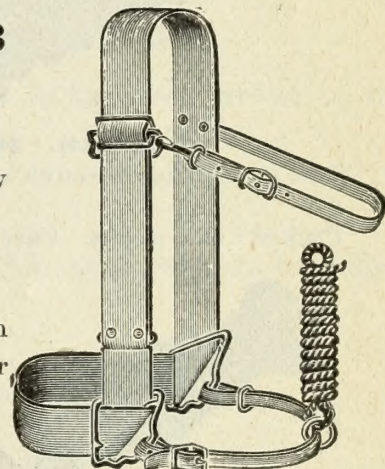
No. 698 JUTE WEB HALTERS.

Jute Web, Metal corners.
Chin piece one continuous piece rope. Leather throat latch and buckle.
Price, 25 cents each.



ADJUSTABLE WEB HALTERS.

Continuous piece solid color No. 1 extra quality web, folded through metal corners.
Adjustable buckle.
Leather chin piece, with buckle. Rope lead, leather latch, snap
Price, 50 cents.

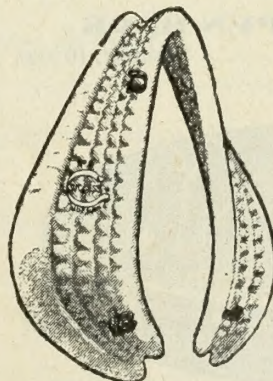


HEAVY LEATHER HALTERS, Riveted, Price, \$1.25

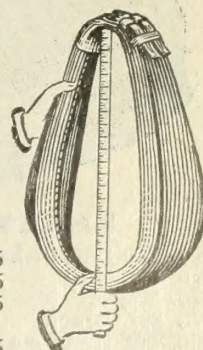
HAND SEWED, with STRAPS. Price, \$1.00.

COLLAR PADS.

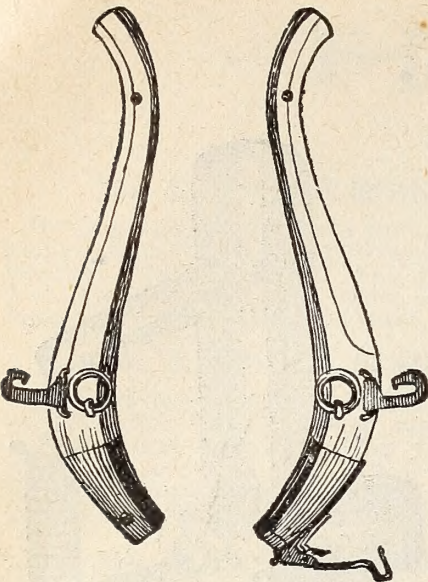
Best quality, all white and brown and white.
PRICE, 50 CENTS.



COLLARS.

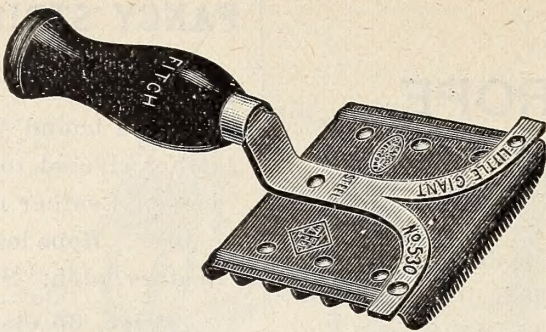


No. 192, Draft Collars, split leather back and rim, Duck face. Price..\$ 85
No. 1101, Team do., heavy.. Price.. 1 25
No. 136, Kip Team, Thong Sewed.... 1 75
No. 155, Scotch, Kip Back and Rim Tick Face.....Price.. 1 75
No. 157, Scotch, Kip Back and Rim Sheep Skin Face, \$2 00

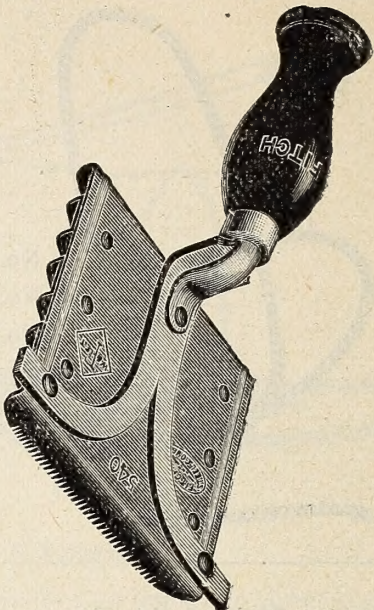


Louden Patent Hames... per pair	\$1 00	Taylor Root Tie Hames... per pair	\$ 50
Louden Tie Hames	75	Sawed Patent Hames	50
Taylor Root Pat. Hames.. " "	60	Sawed Tie Hames..... " "	30

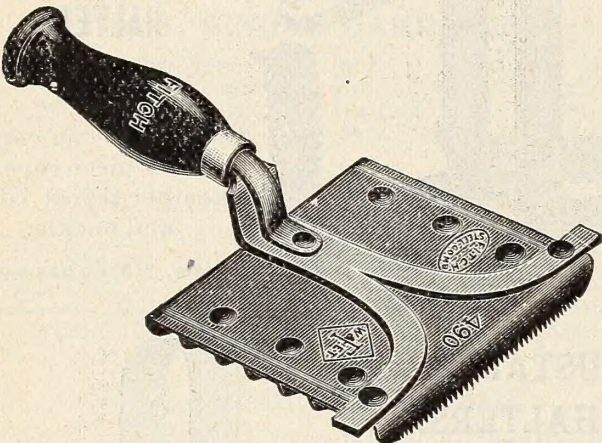
Special Prices to both Wholesale and Retail Dealers



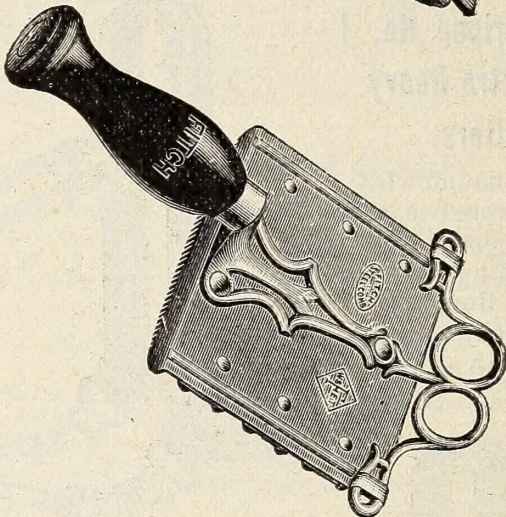
No. 530, LITTLE GIANT, XXX STEEL, LACQUERED, 8 bars, Steel Shank runs through handle and is riveted.
Price..... each, 18 cts.
Packed 1 doz. in box. Cases are made for 24 doz.



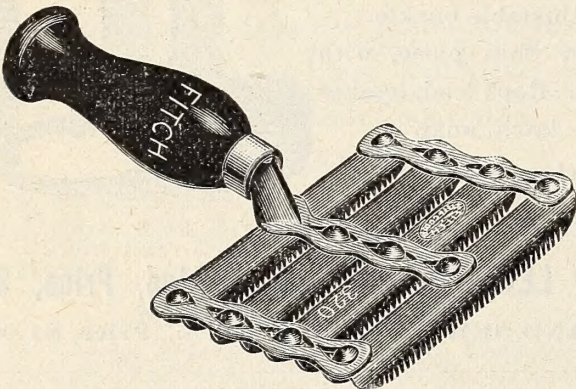
No. 540, 8 bars. Steel shank runs through handle and is riveted. Lacquered.
PRICE.....20 cts each.
Packed 1 doz in box. Cases are made for 24 doz.



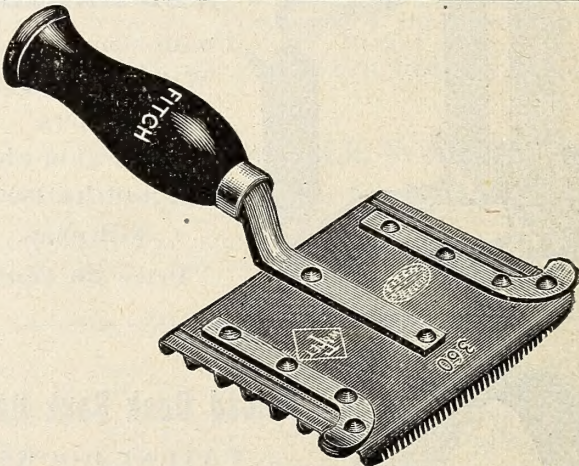
8 BARS. HEAVY.
Steel shank runs through handle and is riveted.
No. 49025 cts. each.
Packed 1 doz. in box. Cases are made for 24 doz.



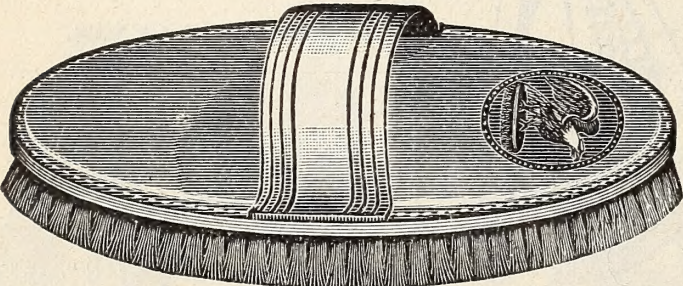
8 BARS: HAND RIVETED.
PATENT APPLIED FOR.
No. 480, ColumbiaLacquered, 25 cts each.
Packed 1 doz. in box. Cases are made for 24 doz.



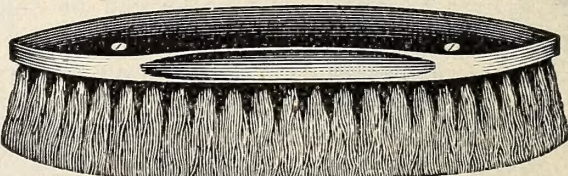
8 BARS RIVETED. OPEN BACK.
No. 320, XXX Steel, Lacqueredeach, 10 cts.



8 BARS. STEEL SHANK.
No. 360, XXX Steel; Hadles riveted.
Lacquered.....15 cts. each.



LEATHER BACK BRUSHES.			
No. 130, Patent Leather Back Brush	each,	\$	50
No. 135, Red " " "	"		50
No. 43, " " "	"		60
No. 381, Black " " "	"		90
No. 300, Red Lea. Back, Blk. Bristle Brush. ...	"	1 00	
No. 600, Russet Lea. Back, White Bristle Brush	"	2 00	
No. 345, Red Lea. Back, Blk. Bristle Brush.....	"	1 25	
No. 270, Blk. Lea. Back, Blk. Bristle Brush.....	"	1 50	
No. 445, Russet Lea. Back, Blk. Bristle Brush..	"	1 50	



DANDY BRUSHES.			
No. 10, Dandy	each,	25 cts.	
No. 20, Dandy	"	30 cts.	
No. XX, Palmetto Dandy	"	40 cts.	
London Dandy, with leather protection side pieces.....	"	75 cts.	
No. 7000, Dandy, made of selected fine root...	"	60 cts.	
All of above are packed six in a box.			
No. 707, Grenelle Brushes, our best brush....	each,	75 cts.	

SEED TABLET.

THE QUANTITY OF SEED USUALLY SOWN TO AN ACRE.

Asparagus..... 5 lbs.	Grass, Hungarian.....1 bush.	Potato, cut tubers, in drills.....8 bush.
Barley, broadcast..... 2 to 3 bush.	Grass, Lawn.....3 to 4 bush.	Radish, in drills.....6 to 8 lbs.
Beans, dwarf, in drills.....1 to 1½ bush.	Grass, Orchard.....28 lbs.	Radish, broadcast.....10 lbs.
Beans, pole, in hills.....8 to 10 qts.	Grass, Red Top.....28 lbs.	Rye, broadcast.....1 bush.
Beet, in drills.....4 to 6 lbs.	Grass, R. I. Bent..... 3 bush.	Salsify, in drills.....6 to 8 lbs.
Broom Corn, in hills..... 4 to 6 qts.	Timothy.....¼ bush.	Sorghum.....10 to 12 lbs.
Buckwheat, broadcast.....¾ bush.	Kale.....4 to 6 lbs.	Spinach, in drills.....12 to 15 lbs.
Cabbage, in beds, to transplant.....¼ lb.	Millet.....1 bush.	Squash, (bush varieties), in hills 4 to 6 lbs.
Carrot, in drills..... 2 to 3 lbs.	Melon, Musk.....1½ to 2 lbs.	Squash, (running varieties), in hills, 3 to 4 lbs.
Celery, to transplant.....½ lb.	Melon, Water.....2 to 3 lbs.	Turnip, in drills.....1 lb.
Corn, in hills.....8 qts.	Mustard, broadcast.....12 to 16 qts.	Turnip, broadcast.....2 to 3 lbs.
Corn, for soiling..... 2 to 3 bush.	Mangold, Wurzel.....4 to 6 lbs.	Tomato, to transplant.....¼ lb.
Clover, Alsike.....12 lbs.	Oats, broadcast.....2 to 2½ bush.	Vetches, broadcast... 2 to 3 bush.
Clover, red, alone.....15 lbs.	Onions, in drills, to make large Onions. 0 to 8 lbs	Wheat, broadcast.....1½ to 2 bush.
Clover, white, alone.....12 lbs.	Onion Seeds, for small sets....40 to 60 lbs.	Wheat, in drills.....1 bush.
Clover, white, with other seeds.....4 lbs.	Parsnip, in drills.....4 to 6 lbs.	Clover, { together } ...8 lbs Clover.
Clover, Lucerne alone.....15 lbs.	Peas, Early, in drills.....1 bush.	Timothy, { for } .10 lbs. Timothy.
Clover, scarlet.....15 lbs.	Peas, Marrowfat, in drills.....1¼ bush	Red Top, { one acre. } .14 lbs. Red Top.
Cucumber, in hills.....2 lbs.	Peas, broadcast..... 2 to 3 bush.	
Flax, broadcast.....1 to 2 bush.		
Grass, blue, alone.....28 lbs.		

QUANTITY OF SEEDS REQUIRED FOR A GIVEN NUMBER OF PLANTS, NUMBER OF HILLS OR LENGTH OF DRILLS.

Asparagus.....1 oz. to 50 ft. drill.	Spinach.....2 oz. to 100 ft. drill.	Cabbage.—1 oz. of seed will produce..... 2000 plants.
Beet.....1 oz. to 50 ft. "	Turnip.....1 oz. to 150 ft. "	Cauliflower.—1 oz of seed will produce..... 2000 "
Celery.....1 oz. to 100 ft. "	Peas.....1 qt. to 100 ft. "	Celery.—1 oz. of seed will produce..... 3000 "
Carrot.....1 oz. to 100 ft. "	Dwarf Beans.....1 qt. to 100 ft. "	Egg Plant.—1 oz. of seed will produce..... 1000 "
Endive.....1 oz. to 150 ft. "	Leek.....1 oz. to 100 ft. "	Lettuce.—1 oz. of seed will produce..... 3000 "
Egg Plant.....1 oz. to 300 ft. "	Pole Beans.....1 qt. to 150 hills.	Pepper.—1 oz of seed will produce..... 1000 "
Lettuce.....1 oz. to 150 ft. "	Corn.....1 qt. to 200 "	Tomato.—1 oz. of seed will produce..... 1500 "
Okra.....4 oz. to 100 ft. "	Cucumber.....1 oz. to 50 "	
Onion.....1 oz. to 100 ft. "	Watermelon... 1 oz to 30 "	
Onion Sets, small.....1 qt. to 100 ft. "	Muskmelon... 1 oz. to 60 "	
Parsley.....1 oz. to 150 ft. "	Pumpkin.....1 oz to 40 "	
Parsnip.....3 oz. to 100 ft. "	Early Squash.....1 oz. to 50 "	
Radish.....2 oz to 100 ft. "	Marrow Squash.....1 oz to 16 "	
Salsify.....1 oz. to 70 ft. "		

TIME FOR SOWING IN THE OPEN GROUND.

- These directions apply to the vicinity of Baltimore and Philadelphia; South of this they should be sown earlier and North, later.
- Beans.**—From 1st of May till August.
- Beets.**—Soon as ground can be worked in Spring.
- Cabbage.**—For early use, sow in hot bed in February and transplant in April to open ground; for late use sow in May or June.
- Cauliflower.**—Sow about the same time as cabbage.
- Carrot.**—For early sow from 1st of April to middle of May, and for late crop in June or July.
- Celery.**—Sow as soon as ground is open in spring, and transplant in July.
- Cucumber.**—Sow about 1st of May for early, and for pickling in July.
- Lettuce.**—Sow soon as ground can be worked in spring, and at intervals as desired.
- Melons.**—Sow in May and June.
- Onion.**—Sow early as possible in Spring.
- Parsnip.**—Soon as ground can be worked.
- Peas.**—Sow in March and at intervals through the season, as desired.
- Pumpkin.**—Plant in May or June.
- Radish.**—Soon as ground is ready and all through the season, at intervals.
- Squash.**—Soon as ground is warm.
- Tomato.**—Sow in hot bed in March, and transplant about middle of May.
- Turnip.**—For early use in April; for main crop July and August.

TO COUNTRY MERCHANTS.

We put up Vegetable Seeds in papers for the Country Trade, in quantities to suit purchasers. Our Seeds are select and tested, and give satisfaction wherever used. We also place Seeds with reliable merchants on consignment, allowing commission on all papers sold. Beans, Peas, Corn, etc., in bulk, at lowest wholesale rates; write for special quotations in quantities. If you may have placed your order for small papers for this year, we will be pleased to fill any shortage you may have, and solicit your patronage for another season.

GRIFFITH & TURNER CO.



BRANCH HOUSE
116 & 118 LIGHT ST.

